

# Converting Colors

XYZ(73.1182, 89.1038, 89.3500)

Have a look what the booklet for  
XYZ(73.1182, 89.1038, 89.3500)  
contains.

<b>XYZ(73.0904, 89.0820, 89.6862)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(73.0904, 89.0820,  
89.6862)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4FFE8
RGB	196, 255, 232
RGB Percent	77%, 100%, 91%
CMY	0.2314, 0.0000, 0.0902
CMYK	0.23, 0.00, 0.09, 0.00
HSL	157°, 100%, 88%
HSV	157°, 23%, 100%
XYZ	73.0904, 89.0820, 89.6862
YIQ	234.7370, -27.7810, -19.6610

# Conversions

## Conversions Part 2

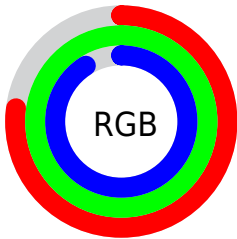
<b>Format</b>	<b>Color</b>
<b>RYB</b>	196, 233, 255
Decimal	12910568
CIELab	95.61, -23.01, 4.96
CIElCh	96, 23.543, 167.837
Yxy	89.0820, 0.2902, 0.3537
Android (android.graphics.Color)	4291100648 (0xFFC4FFE8)
YUV	234.7370, -1.3493, -33.9723
Hunter-Lab	94.3833, -26.9403, 9.7289

# Details

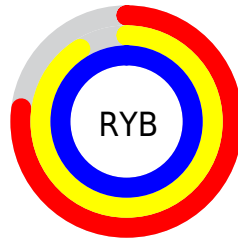
The XYZ color **73.0904, 89.0820, 89.6862** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.7666, 65.8552, 75.8413**, and the grayscale version is **78.7904, 82.8936, 90.2711**.

A 20% lighter version of the original color is **94.3180, 99.6226, 108.8657**, and **39.0151, 49.1855, 48.5117** is the 20% darker color. If you saturate the color by 10%, you get **65.6394, 85.3993, 82.1748**, and if you desaturate by 10%, it is **81.7502, 93.3784, 97.6739**.

# Distribution



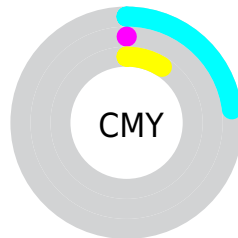
- Red (77%)
- Green (100%)
- Blue (91%)



- Red (77%)
- Yellow (91%)
- Blue (100%)



- Cyan (23%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)




- Cyan (23%)
- Magenta (0%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.0904, 89.0820, 89.6862 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 73.0904, 89.0820, 89.6862 by changing the saturation by 10% instead.




 73.0904, 89.0820,  
89.6862

 73.0904, 89.0820,  
89.6862


460.4270,  
525.0401, 547.5533

 54.3385, 67.2195,  
67.1482


122.6080,  
146.0626, 148.8341

 39.1041, 49.2630,  
48.7427


154.1044,  
181.9495, 186.2811

 27.0218, 34.8282,  
34.0512


190.5797,  
223.2800, 229.5348

 17.7263, 23.5306,  
22.6553

232.3992,  
270.4384, 279.0138

 10.8521, 14.9858,  
14.1363

279.9284,  
323.8093, 335.1366

 6.0341, 8.8094,  
8.0757

333.5325,

 2.9067, 4.6171,

383.7769, 398.3218

4.0549

393.5769,  
450.7257, 468.9878

■ 1.1046, 2.0244,  
1.6555

■ 0.0290, 0.6216,  
0.3300

■ 73.0904, 89.0820,  
89.6862

■ 73.0904, 89.0820,  
89.6862

■ 65.6394, 85.3993,  
82.1748

■ 81.7502, 93.3784,  
97.6739

■ 59.3364, 82.2995,  
75.1258

■ 91.6705, 98.3153,  
106.1429

■ 54.1190, 79.7504,  
68.5308

■ 95.0500, 100.0000,  
108.9000

■ 49.9175, 77.7163,  
62.3792

■ 46.6537, 76.1569,  
56.6601

■ 44.2374, 75.0261,  
51.3616

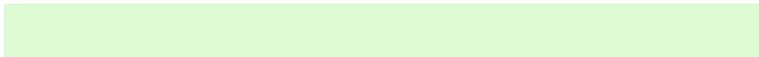
■ 42.5593, 74.2675,  
46.4707

■ 41.7268, 73.9067,  
43.3406

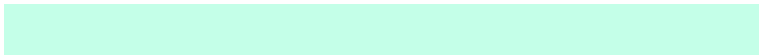
# Harmonies

## Analogous

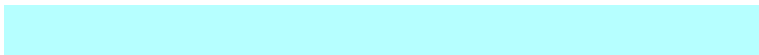
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.7860, 89.0820, 75.0077



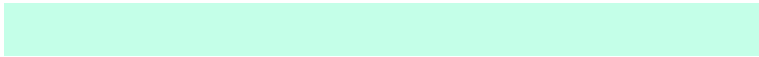
73.0904, 89.0820, 89.6862



73.3795, 89.0820, 108.3135

# Triad

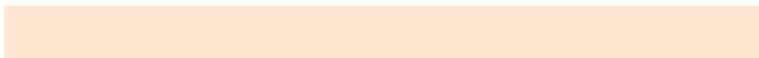
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.0904, 89.0820, 89.6862



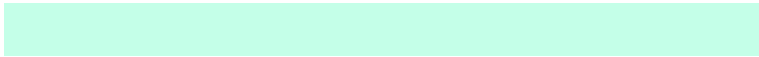
88.5347, 89.0820, 134.9837



93.2907, 89.0820, 72.9278

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



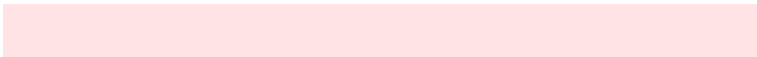
73.0904, 89.0820, 89.6862



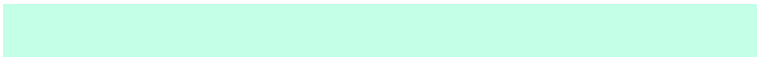
73.7666, 65.8552, 75.8413

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.0625, 89.0820, 86.4941



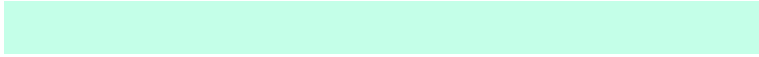
73.0904, 89.0820, 89.6862



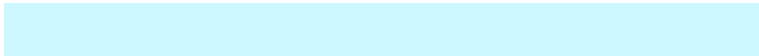
94.2220, 89.0820, 122.9073

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.0904, 89.0820, 89.6862



82.0777, 89.0820, 136.1238



97.4117, 89.0820, 104.6908

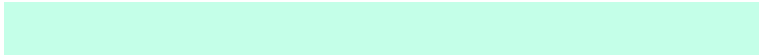


87.3159, 89.0820, 66.1906



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



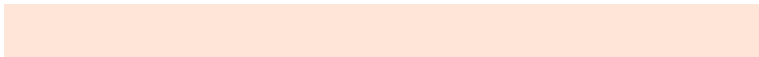
73.0904, 89.0820, 89.6862



75.2272, 89.0820, 120.5126



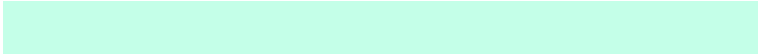
97.4117, 89.0820, 104.6908



94.8711, 89.0820, 76.7554

# Sweetspot

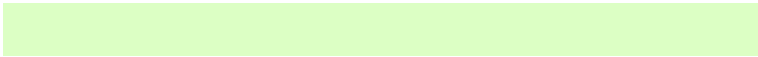
The Sweet Spot groups the original color and five complimentary colors.



73.0912, 89.0823, 89.6876



87.6849, 96.3303, 102.8131



75.1186, 90.6591, 65.7655



18.6387, 20.5542, 21.8963



0.0000, 0.0000, 0.0000

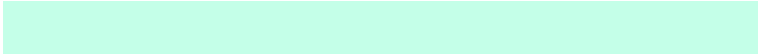


20.3446, 21.4041, 23.3091

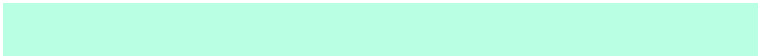


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.0912, 89.0823, 89.6876



69.3197, 87.2163, 85.9752



74.7221, 86.7693, 107.4176



18.2373, 20.3544, 21.5526



21.8786, 38.6480, 23.0436



2.1839, 3.7845, 2.5261



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



73.7666, 65.8552, 75.8413



70.1097, 60.0999, 69.8179



72.3015, 67.4406, 61.4323



18.3025, 18.1043, 20.2102



22.8035, 11.6107, 7.6156

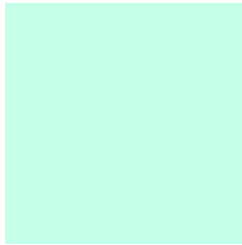


2.2720, 1.1512, 1.0137



# Previews

## White Background



This preview shows how the XYZ color 73.0904, 89.0820, 89.6862 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

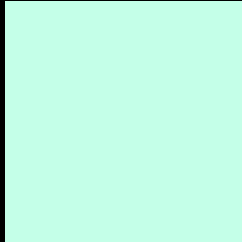
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.0904, 89.0820, 89.6862 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

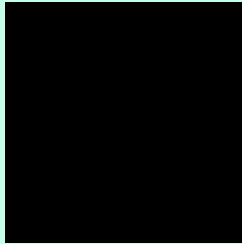
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

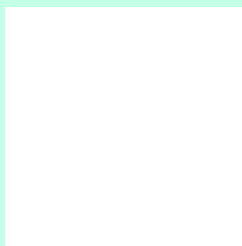
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 73.0904, 89.0820, 89.6862**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.0904, 89.0820, 89.6862.



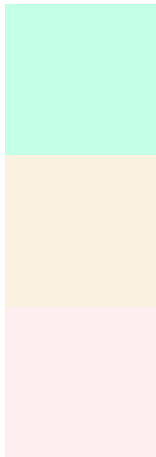
This preview shows how white text looks on a background with the XYZ color 73.0904, 89.0820,

89.6862.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

73.0904, 89.0820, 89.6862

### Protanopia

84.3342, 88.6164, 83.1808

### Deuteranopia

87.3945, 88.6411, 94.1646



## **Tritanopia**

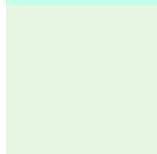
81.7537, 88.5324, 107.3873

# Trichromacy



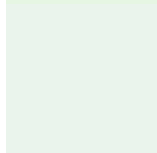
## Original Color

73.0904, 89.0820, 89.6862



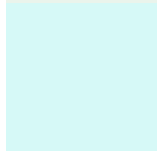
## Protanomaly

79.4540, 88.2806, 85.5252



## Deuteranomaly

81.4227, 88.2499, 92.0994



## Tritanomaly

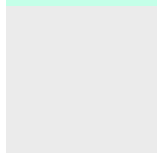
78.3957, 88.7629, 100.9967

# Monochromacy



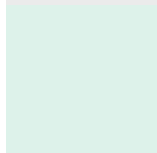
## Original Color

73.0904, 89.0820, 89.6862



## Achromatopsia

78.9647, 83.0770, 90.4708



## Achromatomaly

76.4222, 84.8169, 90.1853

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.0904, 89.0820, 89.6862 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(196, 255, 232)` looks like.

```
.text, #text, p{  
    color:rgb(196, 255, 232)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(196, 255, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 73.0904, 89.0820, 89.6862 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 255, 232) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(196, 255, 232) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(196, 255, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 255, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 255, 232);  
box-shadow:4px 4px 4px 4px rgb(196, 255,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.0904, 89.0820, 89.6862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 255, 232) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(196,  
255, 232) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor