

# Converting Colors

XYZ(90.5430, 109.9820,  
134.7316)

Have a look what the booklet for  
XYZ(90.5430, 109.9820, 134.7316)  
contains.

<b>XYZ(77.3632, 90.8821, 108.0723)</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(77.3632, 90.8821,  
108.0723)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7FFFF
RGB	199, 255, 255
RGB Percent	78%, 100%, 100%
CMY	0.2196, 0.0000, 0.0000
CMYK	0.22, 0.00, 0.00, 0.00
HSL	180°, 100%, 89%
HSV	180°, 22%, 100%
XYZ	77.3632, 90.8821, 108.0723
YIQ	238.2560, -33.3760, -11.8720

# Conversions

## Conversions Part 2

Format	Color
R <sub>YB</sub>	199, 227, 255
Decimal	13107199
CIE Lab	96.36, -17.48, -5.78
CIE LCh	96, 18.406, 198.288
Yxy	90.8821, 0.2800, 0.3289
Android (android.graphics.Color)	4291297279 (0xFFC7FFFF)
YUV	238.2560, 8.2548, -34.4275
Hunter-Lab	95.3321, -21.9762, -0.4811

# Details

The XYZ color **77.3632, 90.8821, 108.0723** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.9732, 66.2319, 63.0252**, and the grayscale version is **81.4226, 85.6629, 93.2869**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8887, 50.3947, 60.9455** is the 20% darker color. If you saturate the color by 10%, you get **71.1550, 87.6817, 107.7817**, and if you desaturate by 10%, it is **84.7066, 94.6678, 108.4159**.

# Distribution



- Red (78%)
- Green (100%)
- Blue (100%)



- Red (78%)
- Yellow (89%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)




- Cyan (22%)
- Magenta (0%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.3632, 90.8821, 108.0723 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 77.3632, 90.8821, 108.0723 by changing the saturation by 10% instead.




 77.3632, 90.8821,  
108.0723

 77.3632, 90.8821,  
108.0723


474.8744,  
530.8961, 607.2410

 57.8520, 68.7125,  
82.4046


128.6222,  
148.5631, 174.3552

 41.9325, 50.4776,  
61.1613


161.1006,  
184.8432, 215.8075

 29.2393, 35.7930,  
43.9240

198.6322,  
226.5956, 263.3584

 19.4071, 24.2744,  
30.2740

241.5823,  
274.2048, 317.4265

 12.0706, 15.5373,  
19.7928

290.3162,  
328.0550, 378.4302

 6.8643, 9.1973,  
12.0620

345.1993,

 3.4229, 4.8701,

388.5307, 446.7882

6.6628

406.5969,  
456.0163, 522.9190

■ 1.3812, 2.1713,  
3.1769

■ 0.2428, 0.7043,  
1.1857

■ 77.3632, 90.8821,  
108.0723

■ 77.3632, 90.8821,  
108.0723

■ 71.1550, 87.6817,  
107.7817

■ 84.7066, 94.6678,  
108.4159

■ 66.0233, 85.0362,  
107.5416

■ 93.2354, 99.0645,  
108.8151

■ 61.9074, 82.9144,  
107.3490

95.0500, 100.0000,  
108.9000

■ 58.7401, 81.2815,  
107.2007

■ 56.4456, 80.0987,  
107.0933

■ 54.9368, 79.3209,  
107.0227

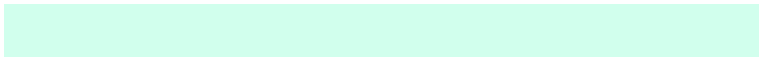
■ 54.1088, 78.8941,  
106.9840

■ 53.8100, 78.7400,  
106.9700

# Harmonies

## Analogous

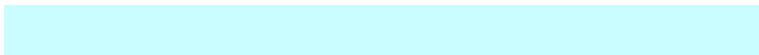
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.0918, 90.8821, 93.3397



77.3632, 90.8821, 108.0723



79.9921, 90.8821, 121.5388

# Triad

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



77.3632, 90.8821, 108.0723



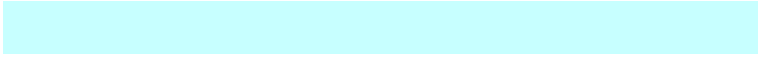
93.9430, 90.8821, 118.9335



88.3952, 90.8821, 73.8271

# Complementary

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



77.3632, 90.8821, 108.0723



71.9732, 66.2319, 63.0252

# 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.



93.1007, 90.8821, 79.3582



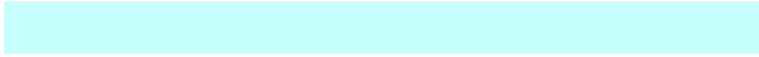
77.3632, 90.8821, 108.0723



96.3873, 90.8821, 104.7915

# Square

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



77.3632, 90.8821, 108.0723



89.5081, 90.8821, 128.2238



96.0731, 90.8821, 90.3658



83.3270, 90.8821, 74.5182

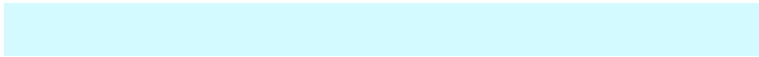


# Rectangle

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



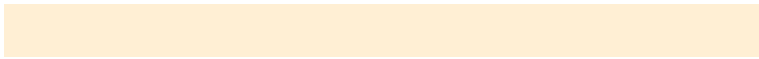
77.3632, 90.8821, 108.0723



82.7884, 90.8821, 127.5401



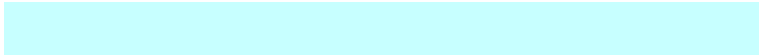
96.0731, 90.8821, 90.3658



90.0754, 90.8821, 74.9962

# Sweetspot

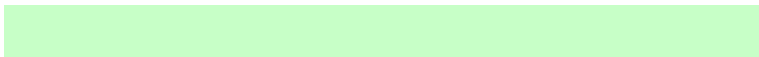
The Sweet Spot groups the original color and five complimentary colors.



77.3640, 90.8825, 108.0723



88.7852, 96.7704, 108.6068



69.6231, 87.7862, 67.3095



18.8940, 20.6563, 23.2412



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

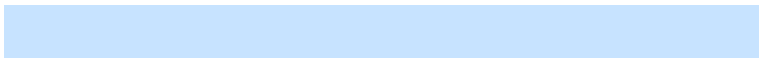
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.3640, 90.8825, 108.0723



74.7219, 89.5205, 107.9487



69.0735, 74.3015, 105.3088



18.5550, 20.4815, 23.2253



28.1169, 41.1433, 55.8941



2.7376, 4.0060, 5.4422



# Inverse Universe

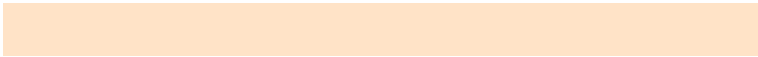
The Inverse Universe completely reimagines the original color for something new.



79.7141, 69.3282, 103.7880



77.4231, 64.7463, 103.0244



79.0186, 80.3226, 65.3737



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340



# Previews

## White Background



This preview shows how the XYZ color 77.3632, 90.8821, 108.0723 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 77.3632, 90.8821, 108.0723 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

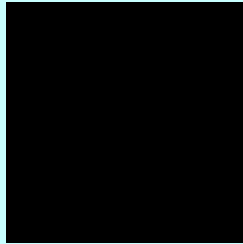
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

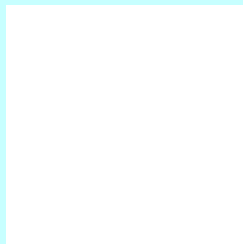
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 77.3632, 90.8821, 108.0723**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.3632, 90.8821, 108.0723.



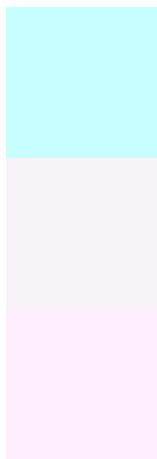
This preview shows how white text looks on a background with the XYZ color 77.3632, 90.8821,



# 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

77.3632, 90.8821, 108.0723

### Protanopia

87.3516, 90.6527, 101.7007

### Deuteranopia

89.9959, 90.1488, 106.4231



## Tritanopia

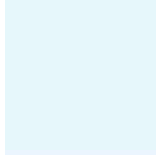
83.9439, 90.5645, 107.6641

# Trichromacy



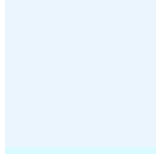
## Original Color

77.3632, 90.8821, 108.0723



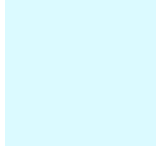
## Protanomaly

83.3065, 90.3096, 104.3076



## Deuteranomaly

84.8028, 90.1227, 106.6918



## Tritanomaly

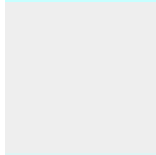
81.4490, 90.6513, 107.8124

# Monochromacy



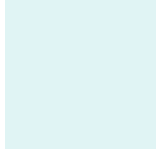
## Original Color

77.3632, 90.8821, 108.0723



## Achromatopsia

81.2670, 85.4993, 93.1087



## Achromatomaly

79.4203, 87.0803, 98.2102

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.3632, 90.8821, 108.0723 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(199, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(199, 255, 255)  
}
```

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(199, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 255, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 77.3632, 90.8821, 108.0723 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(199, 255, 255) }
```



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

```
.border{ border-color:rgb(199, 255, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(199, 255,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.3632, 90.8821, 108.0723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 255, 255) }
```

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

```
.background{ background-color: rgb(199,  
255, 255) }
```

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