

# Converting Colors

XYZ(73.1714, 82.6891,  
107.7614)

Have a look what the booklet for  
XYZ(73.1714, 82.6891, 107.7614)  
contains.

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# **Color**

**XYZ(73.0908, 82.7300,  
106.7239)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6F2FF
RGB	198, 242, 255
RGB Percent	78%, 95%, 100%
CMY	0.2235, 0.0510, 0.0000
CMYK	0.22, 0.05, 0.00, 0.00
HSL	194°, 100%, 89%
HSV	194°, 22%, 100%
XYZ	73.0908, 82.7300, 106.7239
YIQ	230.3260, -30.3970, -5.2850

# Conversions

## Conversions Part 2

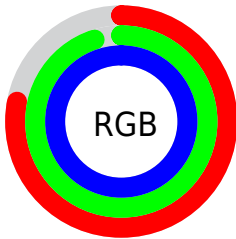
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	198, 223, 255
Decimal	13038335
CIE <sub>Lab</sub>	92.90, -11.30, -10.92
CIE <sub>LCh</sub>	93, 15.710, 224.023
Yxy	82.7300, 0.2784, 0.3151
Android (android.graphics.Color)	4291228415 (0xFFC6F2FF)
YUV	230.3260, 12.1643, -28.3499
Hunter-Lab	90.9560, -15.7333, -5.8991

# Details

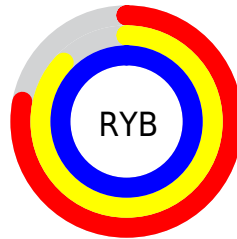
The XYZ color **73.0908, 82.7300, 106.7239** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.7271, 71.9249, 63.3721**, and the grayscale version is **75.3858, 79.3118, 86.3705**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.0796, 45.0347, 60.0589** is the 20% darker color. If you saturate the color by 10%, you get **65.2243, 76.1485, 105.8682**, and if you desaturate by 10%, it is **82.1483, 90.0114, 107.6520**.

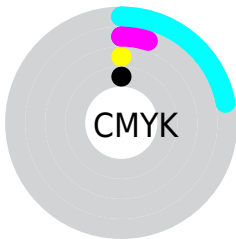
# Distribution



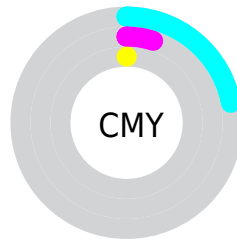
- Red (78%)
- Green (95%)
- Blue (100%)



- Red (78%)
- Yellow (87%)
- Blue (100%)



- Cyan (22%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (5%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.0908, 82.7300, 106.7239 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 73.0908, 82.7300, 106.7239 by changing the saturation by 10% instead.



73.0908, 82.7300,  
106.7239

73.0908, 82.7300,  
106.7239

460.4284,  
504.0862, 602.9715

54.3389, 61.9674,  
81.2796

122.6085,  
137.1972, 172.4993

39.1044, 45.0064,  
60.2396

154.1050,  
171.6707, 213.6675

27.0220, 31.4625,  
43.1852

190.5804,  
211.4833, 260.9140

17.7264, 20.9513,  
29.6980

232.4001,  
257.0193, 314.6575

10.8523, 13.0884,  
19.3594

279.9294,  
308.6632, 375.3165

6.0341, 7.4894,  
11.7508

333.5336,

2.9067, 3.7700,

366.7994, 443.3094

6.4537

393.5781,  
431.8123, 519.0549

■ 1.1046, 1.5458,  
3.0497

■ 0.0290, 0.3206,  
1.1201

■ 73.0908, 82.7300,  
106.7239

■ 73.0908, 82.7300,  
106.7239

■ 65.2243, 76.1485,  
105.8682

■ 82.1483, 90.0114,  
107.6520

■ 58.4850, 70.2270,  
105.0804

■ 92.4433, 98.0109,  
108.6535

■ 52.8130, 64.9358,  
104.3581

■ 95.0500, 100.0000,  
108.9000

■ 48.1403, 60.2391,  
103.6978

■ 44.3901, 56.0967,  
103.0959

■ 41.4745, 52.4623,  
102.5481

■ 39.2868, 49.2802,  
102.0491

■ 37.9846, 47.0893,  
101.6949

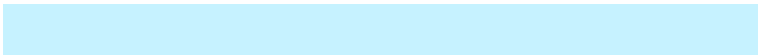
# Harmonies

## Analogous

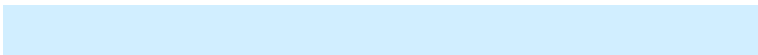
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.2185, 82.7300, 95.6697



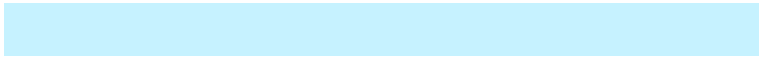
73.0908, 82.7300, 106.7239



76.4792, 82.7300, 113.6121

# Triad

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



73.0908, 82.7300, 106.7239



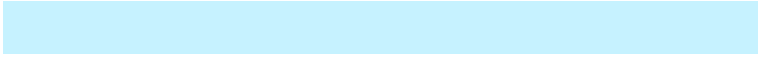
86.4694, 82.7300, 96.4471



76.7348, 82.7300, 69.8742

# Complementary

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



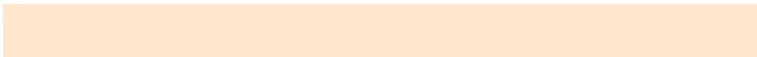
73.0908, 82.7300, 106.7239



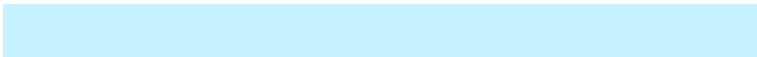
74.7271, 71.9249, 63.3721

# 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.



80.8256, 82.7300, 70.0428



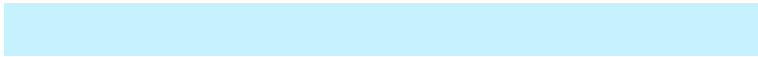
73.0908, 82.7300, 106.7239



86.5437, 82.7300, 84.7103

# Square

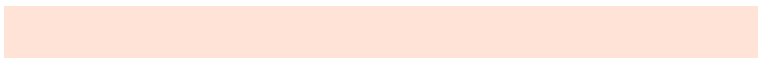
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.0908, 82.7300, 106.7239



84.2477, 82.7300, 107.3356



84.4472, 82.7300, 75.2613

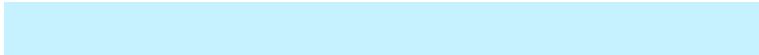


73.2723, 82.7300, 74.7787

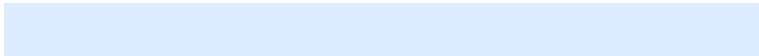


# Rectangle

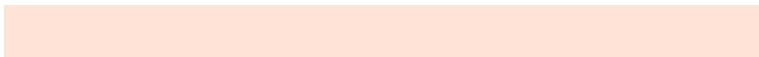
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



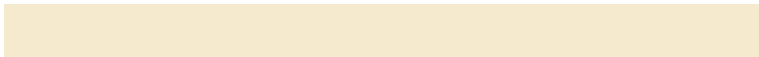
73.0908, 82.7300, 106.7239



79.1876, 82.7300, 114.5694



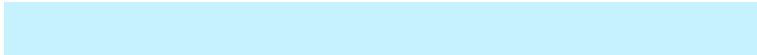
84.4472, 82.7300, 75.2613



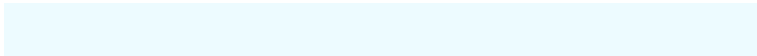
78.0798, 82.7300, 69.3537

# Sweetspot

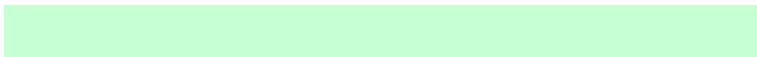
The Sweet Spot groups the original color and five complimentary colors.



73.0930, 82.7333, 106.7244



87.5006, 94.2011, 108.1786



70.7262, 88.1969, 74.4991



18.5957, 20.0595, 23.1417



0.0000, 0.0000, 0.0000

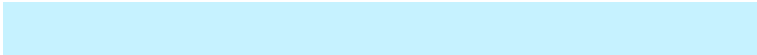


20.3446, 21.4041, 23.3091

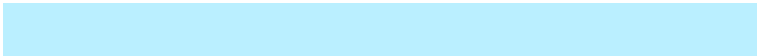


# Same Dimension

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



73.0930, 82.7333, 106.7244



69.2913, 79.5881, 106.3177



65.4245, 67.3963, 104.1683



18.1830, 19.7377, 23.1014



19.9659, 24.8414, 53.1771



2.0256, 2.5820, 5.2049



# Inverse Universe

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



77.4625, 68.0605, 93.0625



74.4552, 62.6909, 90.0721



82.2562, 86.9830, 65.8818



18.6050, 18.2253, 21.8033



26.8661, 13.2357, 29.0088

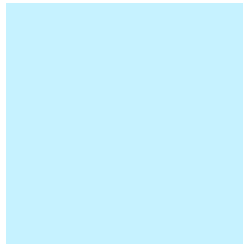


2.6571, 1.3052, 3.0415



# Previews

## White Background



This preview shows how the XYZ color 73.0908, 82.7300, 106.7239 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

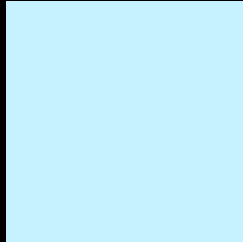
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.0908, 82.7300, 106.7239 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 73.0908, 82.7300, 106.7239

## Background



This preview shows how black text looks on a background with the XYZ color 73.0908, 82.7300, 106.7239.



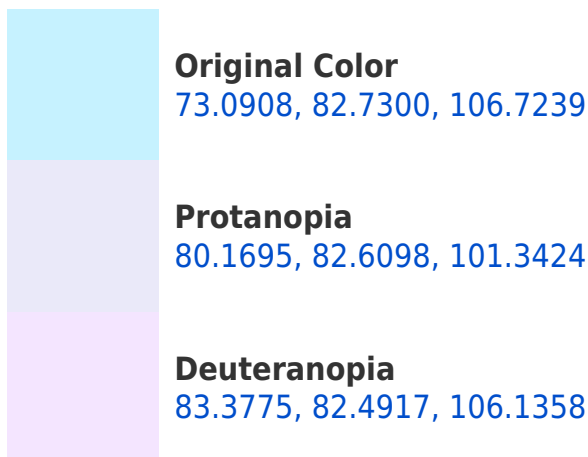
This preview shows how white text looks on a background with the XYZ color 73.0908, 82.7300,



# 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

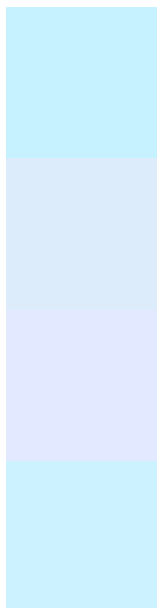




## Tritanopia

74.9422, 82.8056, 106.6409

# Trichromacy



## Original Color

73.0908, 82.7300, 106.7239

## Protanomaly

77.2268, 82.3281, 103.0874

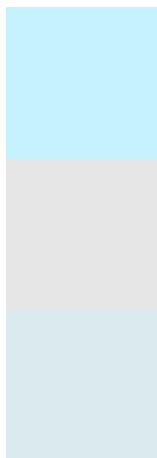
## Deuteranomaly

79.1514, 82.3965, 106.3401

## Tritanomaly

74.4071, 82.9680, 106.7005

# Monochromacy



## Original Color

73.0908, 82.7300, 106.7239

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

73.9162, 79.9831, 93.2038

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.0908, 82.7300, 106.7239 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(198, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(198, 242, 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(198, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 242, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 73.0908, 82.7300, 106.7239 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(198, 242, 255) }
```



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

```
.border{ border-color:rgb(198, 242, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(198, 242,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.0908, 82.7300, 106.7239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 242, 255) }
```

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

```
.background{ background-color: rgb(198,  
242, 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](#).

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