

# Converting Colors

XYZ(72.1516, 88.2109,  
107.1321)

Have a look what the booklet for  
XYZ(72.1516, 88.2109, 107.1321)  
contains.

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# Color

**XYZ(72.2398, 88.2595,  
106.9943)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3FFFE
RGB	179, 255, 254
RGB Percent	70%, 100%, 100%
CMY	0.2980, 0.0000, 0.0039
CMYK	0.30, 0.00, 0.00, 0.00
HSL	179°, 100%, 85%
HSV	179°, 30%, 100%
XYZ	72.2398, 88.2595, 106.9943
YIQ	232.1620, -44.9750, -16.4230

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	179, 217, 255
Decimal	11796478
CIELab	95.27, -23.31, -6.99
CIELCh	95, 24.340, 196.694
Yxy	88.2595, 0.2701, 0.3299
Android (android.graphics.Color)	4289986558 (0xFFB3FFFE)
YUV	232.1620, 10.7661, -46.6231
Hunter-Lab	93.9465, -27.1496, -1.7619

# Details

The XYZ color **72.2398, 88.2595, 106.9943** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **65.5991, 56.7969, 50.6863**, and the grayscale version is **76.7691, 80.7670, 87.9553**.

A 20% lighter version of the original color is **88.7351, 96.7445, 108.6045**, and **38.4405, 48.6303, 60.1839** is the 20% darker color. If you saturate the color by 10%, you get **66.8281, 85.4758, 106.4627**, and if you desaturate by 10%, it is **78.7434, 91.6060, 107.5804**.

# Distribution



- Red (70%)
- Green (100%)
- Blue (100%)



- Red (70%)
- Yellow (85%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)




- Cyan (30%)
- Magenta (0%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.2398, 88.2595, 106.9943 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 72.2398, 88.2595, 106.9943 by changing the saturation by 10% instead.





 72.2398, 88.2595,  
106.9943

 72.2398, 88.2595,  
106.9943


457.5205,  
522.3527, 603.8290

 53.6408, 66.5380,  
81.5051


 121.4064,  
144.9184, 172.8716

 38.5440, 48.7093,  
60.4243


152.7046,  
180.6246, 214.0969

 26.5843, 34.3889,  
43.3332


188.9666,  
221.7611, 261.4046

 17.3963, 23.1925,  
29.8133

230.5577,  
268.7123, 315.2133

 10.6145, 14.7357,  
19.4461

277.8433,  
321.8627, 375.9416

 5.8736, 8.6341,  
11.8130

331.1887,

 2.8083, 4.5033,

381.5966, 444.0079

6.4955

390.9593,  
448.2985, 519.8309

■ 1.0532, 1.9589,  
3.0750

■ 0.0000, 0.5834,  
1.1331

■ 72.2398, 88.2595,  
106.9943

■ 72.2398, 88.2595,  
106.9943

■ 66.8281, 85.4758,  
106.4627

■ 78.7434, 91.6060,  
107.5804

■ 62.4451, 83.2225,  
105.9783

■ 86.3914, 95.5424,  
108.2191

■ 59.0258, 81.4659,  
105.5395

95.0500, 100.0000,  
108.9000

■ 56.4966, 80.1682,  
105.1428

■ 54.7733, 79.2860,  
104.7843

■ 53.7555, 78.7674,  
104.4593

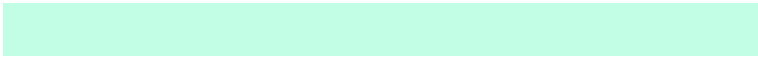
■ 53.2827, 78.5298,  
104.1604

■ 53.2753, 78.5261,  
104.1546

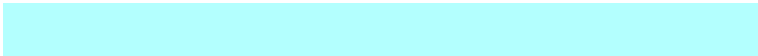
# Harmonies

## Analogous

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



72.0630, 88.2595, 87.9249



72.2398, 88.2595, 106.9943



75.4295, 88.2595, 125.2496

# Triad

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



72.2398, 88.2595, 106.9943



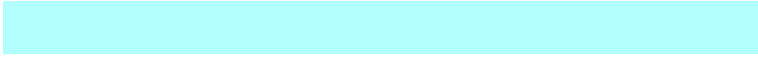
93.5293, 88.2595, 123.4337



86.8618, 88.2595, 64.7186

# Complementary

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



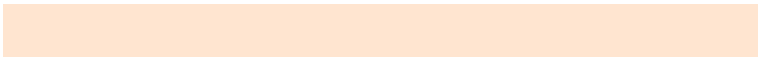
72.2398, 88.2595, 106.9943



65.5991, 56.7969, 50.6863

# 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.



92.9563, 88.2595, 71.8644



72.2398, 88.2595, 106.9943



96.9406, 88.2595, 104.7659

# Square

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



72.2398, 88.2595, 106.9943



87.6105, 88.2595, 135.5647



96.7255, 88.2595, 85.9708



80.2724, 88.2595, 65.1497



# Rectangle

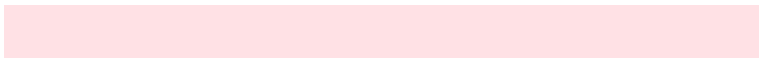
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.2398, 88.2595, 106.9943



78.9359, 88.2595, 133.7580



96.7255, 88.2595, 85.9708



89.0430, 88.2595, 66.2695

# Sweetspot

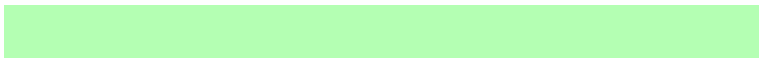
The Sweet Spot groups the original color and five complimentary colors.



72.2408, 88.2600, 106.9958



87.0564, 95.8848, 108.2728



62.7823, 84.5105, 55.6528



18.3768, 20.3911, 23.1541



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

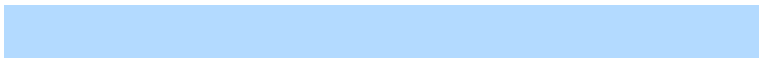
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.2408, 88.2600, 106.9958



68.7617, 86.4702, 106.6595



61.7822, 67.0862, 104.3004



18.5440, 20.4771, 23.1676



27.8422, 41.0335, 54.4479



2.7141, 3.9966, 5.3182



# Inverse Universe

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



65.5991, 56.7969, 50.6863



61.1103, 50.2205, 41.7871



73.8651, 73.4909, 52.9416



18.0191, 17.9909, 18.7177



21.5626, 11.1143, 1.0809

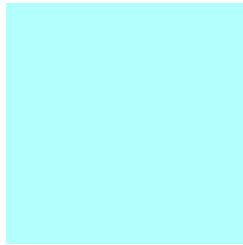


2.1027, 1.0835, 0.1223



# Previews

## White Background



This preview shows how the XYZ color 72.2398, 88.2595, 106.9943 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

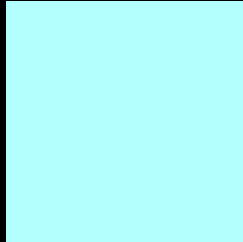
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.2398, 88.2595, 106.9943 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

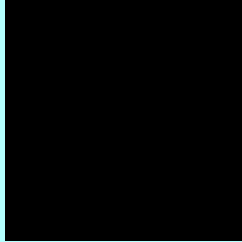
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

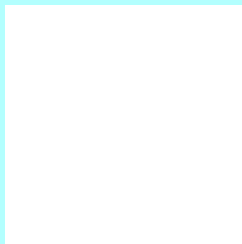
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 72.2398, 88.2595, 106.9943

## Background



This preview shows how black text looks on a background with the XYZ color 72.2398, 88.2595, 106.9943.



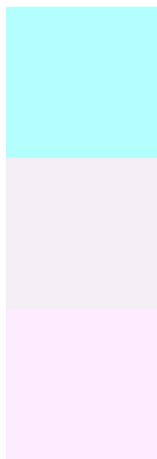
This preview shows how white text looks on a background with the XYZ color 72.2398, 88.2595,



# 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

72.2398, 88.2595, 106.9943

### Protanopia

84.3101, 87.3803, 98.8087

### Deuteranopia

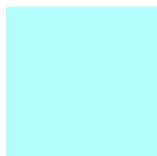
88.2663, 87.5193, 106.8485



## Tritanopia

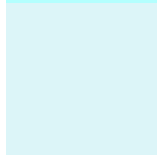
79.9192, 88.0370, 107.3884

# Trichromacy



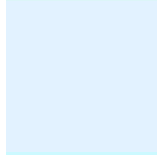
## Original Color

72.2398, 88.2595, 106.9943



## Protanomaly

79.1109, 87.2978, 101.4875



## Deuteranomaly

81.1662, 86.8930, 107.1019



## Tritanomaly

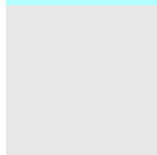
76.8275, 87.8087, 107.5073

# Monochromacy



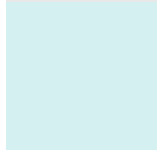
## Original Color

72.2398, 88.2595, 106.9943



## Achromatopsia

76.7008, 80.6952, 87.8771



## Achromatomaly

74.3288, 82.7576, 94.4943

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.2398, 88.2595, 106.9943 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(179, 255, 254)` looks like.

```
.text, #text, p{  
    color:rgb(179, 255, 254)  
}
```

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(179, 255, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 254) }
```

## Border

The CSS property to change the border of an element to XYZ 72.2398, 88.2595, 106.9943 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(179, 255, 254) }
```



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

```
.border{ border-color:rgb(179, 255, 254) }
```

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

Here you see how a box with a 4 pixel rgb(179, 255, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 255, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 255, 254);  
box-shadow:4px 4px 4px 4px rgb(179, 255,  
254) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.2398, 88.2595, 106.9943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 255, 254) }
```

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

```
.background{ background-color: rgb(179,  
255, 254) }
```

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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