

# Converting Colors

XYZ(58.4252, 72.7878, 98.2744)

Have a look what the booklet for  
XYZ(58.4252, 72.7878, 98.2744)  
contains.

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# Color

**XYZ(58.3071, 72.6645,  
98.1413)**

# Conversions

## Conversions Part 1

Format	Color
Hex	91ECF6
RGB	145, 236, 246
RGB Percent	57%, 93%, 96%
CMY	0.4314, 0.0745, 0.0353
CMYK	0.41, 0.04, 0.00, 0.04
HSL	186°, 85%, 77%
HSV	186°, 41%, 96%
XYZ	58.3071, 72.6645, 98.1413
YIQ	209.9310, -57.4460, -16.1820

# Conversions

## Conversions Part 2

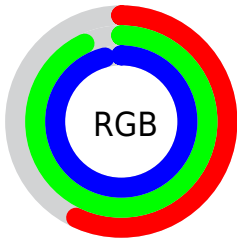
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	145, 193, 246
Decimal	9563382
CIE <sub>Lab</sub>	88.29, -24.67, -13.39
CIE <sub>LCh</sub>	88, 28.068, 208.489
Yxy	72.6645, 0.2545, 0.3172
Android (android.graphics.Color)	4287753462 (0xFF91ECF6)
YUV	209.9310, 17.7820, -56.9445
Hunter-Lab	85.2435, -27.0809, -8.5905

# Details

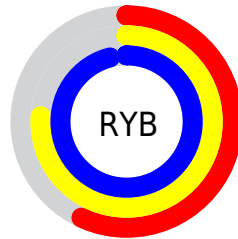
The XYZ color **58.3071, 72.6645, 98.1413** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **54.8395, 45.0810, 32.6011**, and the grayscale version is **61.1292, 64.3127, 70.0365**.

A 20% lighter version of the original color is **78.4386, 91.4365, 108.1226**, and **29.5460, 38.3865, 54.5673** is the 20% darker color. If you saturate the color by 10%, you get **53.7370, 69.2765, 97.7295**, and if you desaturate by 10%, it is **63.8296, 76.5611, 98.6036**.

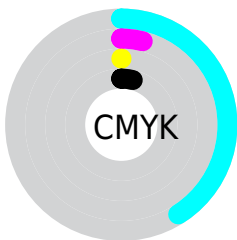
# Distribution



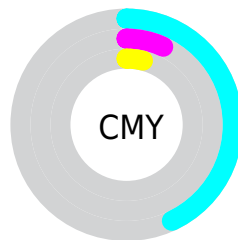
- Red (57%)
- Green (93%)
- Blue (96%)



- Red (57%)
- Yellow (76%)
- Blue (96%)



- Cyan (41%)
- Magenta (4%)
- Yellow (0%)
- Black (4%)



- Cyan (43%)
- Magenta (7%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.3071, 72.6645, 98.1413 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 58.3071, 72.6645, 98.1413 by changing the saturation by 10% instead.



■ 58.3071, 72.6645,  
98.1413

■ 58.3071, 72.6645,  
98.1413

408.2647,  
469.8512, 575.4126

■ 42.2998, 53.7017,  
74.1410

■ 101.4903,  
123.0008, 160.6301

■ 29.5283, 38.3632,  
54.4119

■ 129.3970,  
155.1431, 199.9556

■ 19.6271, 26.2647,  
38.5357

162.0008,  
192.4473, 245.2266

■ 12.2309, 17.0218,  
26.0937

199.6671,  
235.2978, 296.8616

■ 6.9745, 10.2500,  
16.6673

242.7613,  
284.0791, 355.2792

■ 3.4923, 5.5650,  
9.8381

291.6488,

■ 1.4192, 2.5825,

339.1755, 420.8978

5.1876

346.6948,  
400.9714, 494.1361

■ 0.2698, 0.9179,  
2.2971

■ 0.0000, 0.0000,  
0.7296

■ 58.3071, 72.6645,  
98.1413

■ 58.3071, 72.6645,  
98.1413

■ 53.7370, 69.2765,  
97.7295

■ 63.8296, 76.5611,  
98.6036

■ 50.0515, 66.3569,  
97.3602


■ 70.3537, 80.9866,  
99.1140

■ 47.1843, 63.8733,  
97.0319


■ 77.9329, 85.9703,  
99.6765


■ 45.0570, 61.7851,  
96.7410


■ 86.6151, 91.5370,  
100.2933


 43.5753, 60.0437,  
96.4830

 91.4975, 95.1593,  
100.7352

 42.6633, 58.7109,  
96.2738

 92.2518, 96.6678,  
100.9866

 93.0158, 98.1960,  
101.2413

 93.6348, 99.4339,  
101.4476

# Harmonies

## Analogous

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



56.9228, 72.6645, 78.1461



58.3071, 72.6645, 98.1413



62.5217, 72.6645, 115.0981

# Triad

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



58.3071, 72.6645, 98.1413



80.6928, 72.6645, 100.1082



69.4072, 72.6645, 47.5593

# Complementary

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



58.3071, 72.6645, 98.1413



54.8395, 45.0810, 32.6011

# 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.



76.0505, 72.6645, 51.5483



58.3071, 72.6645, 98.1413



82.8226, 72.6645, 80.1005

# Square

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



58.3071, 72.6645, 98.1413



75.4221, 72.6645, 116.3572



81.0718, 72.6645, 62.7292



63.0764, 72.6645, 50.8174

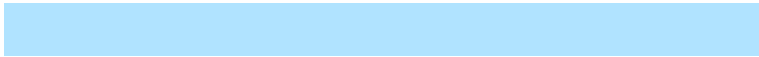


# Rectangle

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



58.3071, 72.6645, 98.1413



66.5157, 72.6645, 121.2630



81.0718, 72.6645, 62.7292



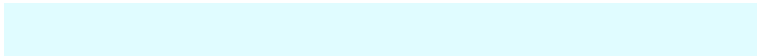
71.6795, 72.6645, 48.0828

# Sweetspot

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



58.3093, 72.6673, 98.1430



83.7159, 92.7339, 108.0949



50.4187, 74.2465, 41.9933



17.6771, 19.6915, 23.1191



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.



58.3093, 72.6673, 98.1430



59.2040, 75.8506, 106.1280



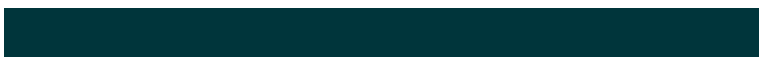
46.1014, 48.2515, 94.0737



16.8483, 18.4609, 21.2179



22.8305, 31.4548, 51.4061



2.0464, 2.8442, 4.5314



# Inverse Universe

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



63.2736, 45.9017, 84.8850



65.3513, 43.6874, 89.4906



64.6915, 64.7851, 35.8851



17.1388, 16.7384, 20.4773



27.3283, 13.2748, 38.0327

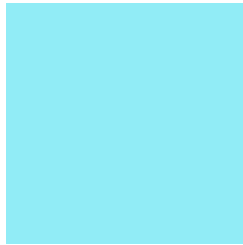


2.4220, 1.1748, 3.4485



# Previews

## White Background



This preview shows how the XYZ color 58.3071, 72.6645, 98.1413 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

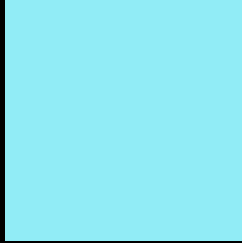
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.3071, 72.6645, 98.1413 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 58.3071, 72.6645, 98.1413**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.3071, 72.6645, 98.1413.



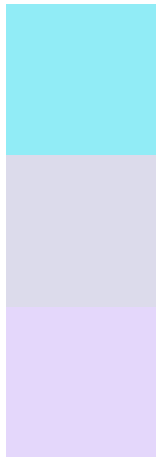
This preview shows how white text looks on a background with the XYZ color 58.3071, 72.6645,



# 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

58.3071, 72.6645, 98.1413

### Protanopia

69.8421, 71.8768, 88.7898

### Deuteranopia

73.7079, 72.0599, 101.2909



## Tritanopia

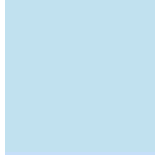
59.6303, 72.7755, 104.6701

# Trichromacy



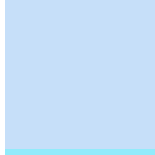
## Original Color

58.3071, 72.6645, 98.1413



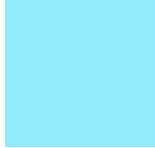
## Protanomaly

64.4975, 71.4199, 92.0474



## Deuteranomaly

66.7753, 71.6207, 99.9273



## Tritanomaly

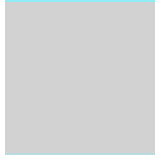
58.9750, 72.4927, 102.1510

# Monochromacy



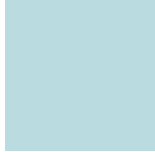
## Original Color

58.3071, 72.6645, 98.1413



## Achromatopsia

61.2578, 64.4480, 70.1838



## Achromatomaly

58.9005, 66.4299, 79.5299

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.3071, 72.6645, 98.1413 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(145, 236, 246)` looks like.

```
.text, #text, p{  
    color:rgb(145, 236, 246)  
}
```

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(145, 236, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 236, 246) }
```

## Border

The CSS property to change the border of an element to XYZ 58.3071, 72.6645, 98.1413 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(145, 236, 246) }
```



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

```
.border{ border-color:rgb(145, 236, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 236, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 236, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 236, 246);  
box-shadow:4px 4px 4px 4px rgb(145, 236,  
246) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.3071, 72.6645, 98.1413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 236, 246) }
```

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

```
.background{ background-color: rgb(145,  
236, 246) }
```

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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