

Converting Colors

XYZ(58.6768, 81.2941,
105.1570)

Have a look what the booklet for
XYZ(58.6768, 81.2941, 105.1570)
contains.

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Color

**XYZ(58.7452, 81.3212,
105.5289)**

Conversions

Conversions Part 1

Format	Color
Hex	64FFFD
RGB	100, 255, 253
RGB Percent	39%, 100%, 99%
CMY	0.6078, 0.0000, 0.0078
CMYK	0.61, 0.00, 0.01, 0.00
HSL	179°, 100%, 70%
HSV	179°, 61%, 100%
XYZ	58.7452, 81.3212, 105.5289
YIQ	208.4270, -91.7380, -33.4820

Conversions

Conversions Part 2

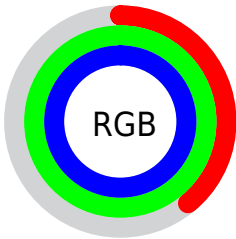
Format	Color
RYB	100, 178, 255
Decimal	6619133
CIELab	92.27, -40.79, -11.24
CIELCh	92, 42.315, 195.411
Yxy	81.3212, 0.2392, 0.3311
Android (android.graphics.Color)	4284809213 (0xFF64FFFD)
YUV	208.4270, 21.9745, -95.0905
Hunter-Lab	90.1783, -41.5310, -6.2579

Details

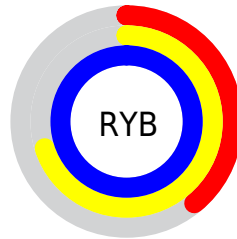
The XYZ color **58.7452, 81.3212, 105.5289** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **48.1966, 31.3354, 16.0802**, and the grayscale version is **60.1369, 63.2687, 68.8996**.

A 20% lighter version of the original color is **69.5359, 86.8470, 107.7060**, and **30.1579, 44.3737, 59.2000** is the 20% darker color. If you saturate the color by 10%, you get **56.3009, 80.0671, 105.1428**, and if you desaturate by 10%, it is **62.0742, 83.0313, 105.9598**.

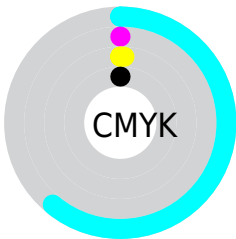
Distribution



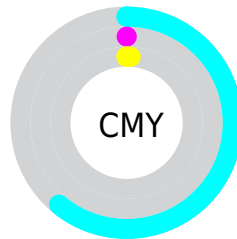
- Red (39%)
- Green (100%)
- Blue (99%)



- Red (39%)
- Yellow (70%)
- Blue (100%)



- Cyan (61%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)





- Cyan (61%)
- Magenta (0%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.7452, 81.3212, 105.5289 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 58.7452, 81.3212, 105.5289 by changing the saturation by 10% instead.


 58.7452, 81.3212,
105.5289


 58.7452, 81.3212,
105.5289


409.8663,
499.3743, 599.1745

 42.6536, 60.8062,
80.2834


 102.1240,
135.2217, 170.8525

 29.8068, 44.0688,
59.4240


 130.1419,
169.3759, 211.7677

 19.8393, 30.7246,
42.5323


 162.8660,
208.8454, 258.7433

 12.3859, 20.3892,
29.1897

200.6616,
254.0144, 312.1976

 7.0811, 12.6783,
18.9775

243.8941,
305.2674, 372.5494

 3.5597, 7.2074,
11.4774

292.9288,

 1.4562, 3.5921,

362.9888, 440.2171

6.2707

348.1310,
427.5630, 515.6193

■ 0.2957, 1.4481,
2.9389

■ 0.0000, 0.2518,
1.0635

■ 58.7452, 81.3212,
105.5289

■ 58.7452, 81.3212,
105.5289

■ 56.3009, 80.0671,
105.1428

■ 62.0742, 83.0313,
105.9598

■ 54.6523, 79.2233,
104.7929


■ 66.3589, 85.2341,
106.4345


■ 53.6983, 78.7375,
104.4760


■ 71.6672, 87.9645,
106.9575

■ 53.2851, 78.5301,
104.2061

■ 78.0596, 91.2538,
107.5317

 85.5922, 95.1309,
108.1598

 94.3170, 99.6226,
108.8441

 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



58.6802, 81.3212, 74.2282



58.7452, 81.3212, 105.5289



63.4536, 81.3212, 138.7197

Triad

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



58.7452, 81.3212, 105.5289



93.2535, 81.3212, 137.8972



82.7108, 81.3212, 42.1225

Complementary

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



58.7452, 81.3212, 105.5289



48.1966, 31.3354, 16.0802

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.



93.0119, 81.3212, 52.2142



58.7452, 81.3212, 105.5289



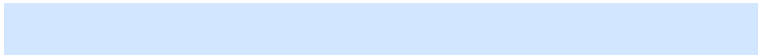
99.4771, 81.3212, 104.5935

Square

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



58.7452, 81.3212, 105.5289



83.0161, 81.3212, 160.1996



99.3847, 81.3212, 73.4887



71.8399, 81.3212, 42.2589

Rectangle

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



58.7452, 81.3212, 105.5289



68.8710, 81.3212, 155.3566



99.3847, 81.3212, 73.4887



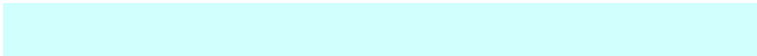
86.3758, 81.3212, 44.3034

Sweetspot

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



58.7464, 81.3218, 105.5304



80.0377, 92.2718, 107.7009



43.6074, 75.2997, 24.2947



16.6888, 19.5222, 23.0146



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.



58.7464, 81.3218, 105.5304



55.8696, 79.8461, 105.0620



39.6454, 42.6076, 100.7423



18.5442, 20.4772, 23.1687



27.8473, 41.0355, 54.4744



2.7145, 3.9967, 5.3205

Inverse Universe

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



48.1966, 31.3354, 16.0802



44.5043, 25.9560, 8.6677



58.8553, 52.8095, 19.1500



18.0189, 17.9909, 18.7167



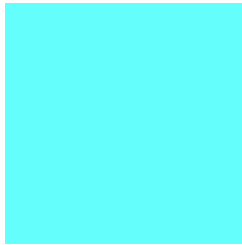
21.5623, 11.1142, 1.0796



2.1026, 1.0834, 0.1219

Previews

White Background



This preview shows how the XYZ color 58.7452, 81.3212, 105.5289 looks on a white background.

Color Contrast Check

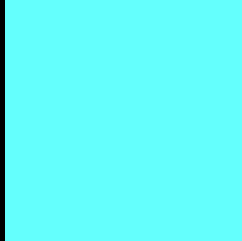
Large Text (above 18pt) WCAG AA × Fail

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 58.7452, 81.3212, 105.5289 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 58.7452, 81.3212, 105.5289

Background



This preview shows how black text looks on a background with the XYZ color 58.7452, 81.3212, 105.5289.

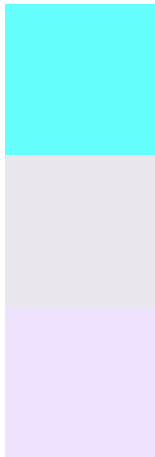


This preview shows how white text looks on a background with the XYZ color 58.7452, 81.3212,

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

58.7452, 81.3212, 105.5289

Protanopia

77.3337, 80.0903, 92.2720

Deuteranopia

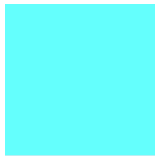
80.8430, 79.9634, 105.7813



Tritanopia

68.0051, 80.5513, 106.5714

Trichromacy



Original Color

58.7452, 81.3212, 105.5289



Protanomaly

67.0517, 78.5184, 96.4156



Deuteranomaly

68.9126, 78.4155, 105.2696



Tritanomaly

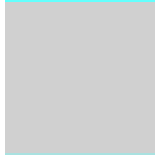
63.3629, 79.9732, 105.8627

Monochromacy



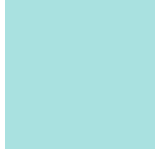
Original Color

58.7452, 81.3212, 105.5289



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

56.7419, 67.6673, 80.5915

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.7452, 81.3212, 105.5289 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(100, 255, 253)` looks like.

```
.text, #text, p{  
    color:rgb(100, 255, 253)  
}
```

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(100, 255, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 255, 253) }
```

Border

The CSS property to change the border of an element to XYZ 58.7452, 81.3212, 105.5289 is called "border". The border property can be set on classes, ids or directly on the HTML element.

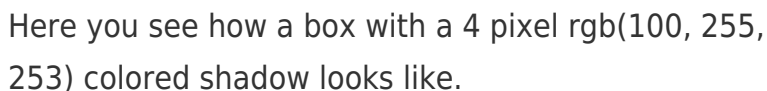
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(100, 255, 253) }
```


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

```
.border{ border-color:rgb(100, 255, 253) }
```

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



Here you see how a box with a 4 pixel `rgb(100, 255, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 255, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 255, 253);  
box-shadow:4px 4px 4px 4px rgb(100, 255,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 58.7452, 81.3212, 105.5289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 255, 253) }
```

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

```
.background{ background-color: rgb(100,  
255, 253) }
```

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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