

Converting Colors

XYZ(58.9797, 81.4418,
105.5518)

Have a look what the booklet for
XYZ(58.9797, 81.4418, 105.5518)
contains.

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Color

**XYZ(58.9691, 81.4366,
105.5394)**

Conversions

Conversions Part 1

Format	Color
Hex	66FFFD
RGB	102, 255, 253
RGB Percent	40%, 100%, 99%
CMY	0.6000, 0.0000, 0.0078
CMYK	0.60, 0.00, 0.01, 0.00
HSL	179°, 100%, 70%
HSV	179°, 60%, 100%
XYZ	58.9691, 81.4366, 105.5394
YIQ	209.0250, -90.5460, -33.0580

Conversions

Conversions Part 2

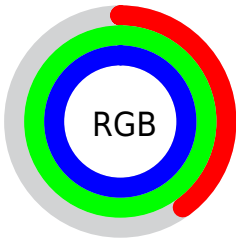
Format	Color
RYB	102, 179, 255
Decimal	6750205
CIELab	92.33, -40.47, -11.16
CIElCh	92, 41.985, 195.420
Yxy	81.4366, 0.2398, 0.3311
Android (android.graphics.Color)	4284940285 (0xFF66FFFD)
YUV	209.0250, 21.6797, -93.8609
Hunter-Lab	90.2422, -41.2825, -6.1708

Details

The XYZ color **58.9691, 81.4366, 105.5394** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **48.4911, 31.7639, 16.6736**, and the grayscale version is **60.5270, 63.6791, 69.3466**.

A 20% lighter version of the original color is **69.7463, 86.9555, 107.7158**, and **30.1579, 44.3737, 59.2000** is the 20% darker color. If you saturate the color by 10%, you get **56.4579, 80.1481, 105.1466**, and if you desaturate by 10%, it is **62.3713, 83.1843, 105.9773**.

Distribution



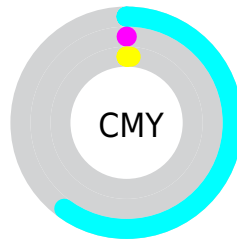
- Red (40%)
- Green (100%)
- Blue (99%)



- Red (40%)
- Yellow (70%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.9691, 81.4366, 105.5394 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 58.9691, 81.4366, 105.5394 by changing the saturation by 10% instead.


 58.9691, 81.4366,
105.5394


 58.9691, 81.4366,
105.5394


410.6833,
499.7612, 599.2079


 42.8345, 60.9012,
80.2921


 102.4476,
135.3836, 170.8670

 29.9493, 44.1455,
59.4312


 130.5223,
169.5641, 211.7844

 19.9480, 30.7849,
42.5380

 163.3077,
209.0618, 258.7624

 12.4653, 20.4351,
29.1941

201.1692,
254.2609, 312.2193

 7.1358, 12.7117,
18.9809

244.4722,
305.5461, 372.5738

 3.5943, 7.2303,
11.4798

293.5819,

 1.4753, 3.6066,

363.3016, 440.2443

6.2723

348.8638,
427.9118, 515.6496

■ 0.3089, 1.4560,
2.9399

■ 0.0000, 0.2575,
1.0640

■ 58.9691, 81.4366,
105.5394

■ 58.9691, 81.4366,
105.5394

■ 56.4579, 80.1481,
105.1466

■ 62.3713, 83.1843,
105.9773

■ 54.7496, 79.2736,
104.7904

■ 66.7346, 85.4276,
106.4592

■ 53.7446, 78.7616,
104.4676

■ 72.1264, 88.2010,
106.9898

■ 53.2785, 78.5274,
104.1704

■ 78.6069, 91.5357,
107.5717

■ 53.2783, 78.5273,
104.1704

■ 86.2318, 95.4602,
108.2077

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.



58.9031, 81.4366, 74.4529



58.9691, 81.4366, 105.5394



63.6528, 81.4366, 138.4466

Triad

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



58.9691, 81.4366, 105.5394



93.2479, 81.4366, 137.6148



82.7792, 81.4366, 42.4755

Complementary

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



58.9691, 81.4366, 105.5394



48.4911, 31.7639, 16.6736

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.



93.0033, 81.4366, 52.5339



58.9691, 81.4366, 105.5394



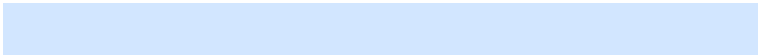
99.4200, 81.4366, 104.5921

Square

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



58.9691, 81.4366, 105.5394



83.0885, 81.4366, 159.7110



99.3265, 81.4366, 73.7025



71.9831, 81.4366, 42.6145

Rectangle

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



58.9691, 81.4366, 105.5394



69.0385, 81.4366, 154.9239



99.3265, 81.4366, 73.7025



86.4174, 81.4366, 44.6502

Sweetspot

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



58.9703, 81.4372, 105.5409



80.0364, 92.2713, 107.6943



43.9325, 75.4560, 24.8214



16.6885, 19.5221, 23.0129



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.



58.9703, 81.4372, 105.5409



56.0542, 79.9413, 105.0723



40.0652, 43.1149, 100.8181



18.5440, 20.4772, 23.1679



27.8438, 41.0341, 54.4560



2.7142, 3.9966, 5.3189

Inverse Universe

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



48.4911, 31.7639, 16.6736



44.7480, 26.3092, 9.1626



59.1550, 53.2521, 19.7333



18.0190, 17.9909, 18.7174



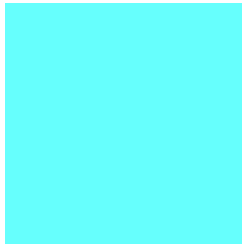
21.5625, 11.1143, 1.0805



2.1027, 1.0835, 0.1222

Previews

White Background



This preview shows how the XYZ color 58.9691, 81.4366, 105.5394 looks on a white background.

Color Contrast Check

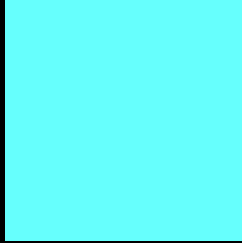
Large Text (above 18pt) WCAG AA × Fail

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 58.9691, 81.4366, 105.5394 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 58.9691, 81.4366, 105.5394

Background



This preview shows how black text looks on a background with the XYZ color 58.9691, 81.4366, 105.5394.

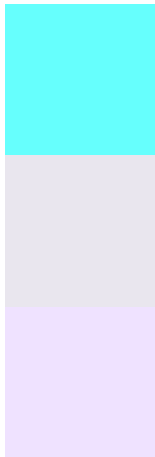


This preview shows how white text looks on a background with the XYZ color 58.9691, 81.4366,

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

58.9691, 81.4366, 105.5394

Protanopia

77.3337, 80.0903, 92.2720

Deuteranopia

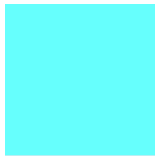
80.8430, 79.9634, 105.7813



Tritanopia

68.2321, 80.6683, 106.5821

Trichromacy



Original Color

58.9691, 81.4366, 105.5394



Protanomaly

67.0517, 78.5184, 96.4156



Deuteranomaly

69.1598, 78.5429, 105.2811



Tritanomaly

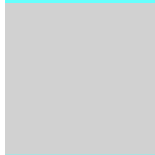
63.7278, 80.1613, 105.8798

Monochromacy



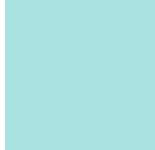
Original Color

58.9691, 81.4366, 105.5394



Achromatopsia

60.6036, 63.7597, 69.4343



Achromatomaly

57.3645, 68.3750, 81.4084

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.9691, 81.4366, 105.5394 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(102, 255, 253)` looks like.

```
.text, #text, p{  
    color:rgb(102, 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(102, 255, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 253) }
```

Border

The CSS property to change the border of an element to XYZ 58.9691, 81.4366, 105.5394 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(102, 255, 253) }
```


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

```
.border{ border-color:rgb(102, 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(102, 255, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 253);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 58.9691, 81.4366, 105.5394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 253) }
```

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

```
.background{ background-color: rgb(102,  
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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