

Converting Colors

XYZ(62.1736, 87.6887,
104.8713)

Have a look what the booklet for
XYZ(62.1736, 87.6887, 104.8713)
contains.

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Color

**XYZ(59.1164, 81.5492,
103.8916)**

Conversions

Conversions Part 1

Format	Color
Hex	6AFFFB
RGB	106, 255, 251
RGB Percent	42%, 100%, 98%
CMY	0.5843, 0.0000, 0.0157
CMYK	0.58, 0.00, 0.02, 0.00
HSL	178°, 100%, 71%
HSV	178°, 58%, 100%
XYZ	59.1164, 81.5492, 103.8916
YIQ	209.9930, -87.5200, -32.8320

Conversions

Conversions Part 2

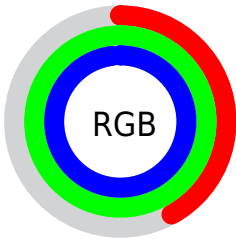
Format	Color
RYB	106, 182, 255
Decimal	7012347
CIELab	92.38, -40.33, -10.04
CIELCh	92, 41.565, 193.980
Yxy	81.5492, 0.2417, 0.3335
Android (android.graphics.Color)	4285202427 (0xFF6AFFFB)
YUV	209.9930, 20.2165, -91.2019
Hunter-Lab	90.3046, -41.1810, -4.9974

Details

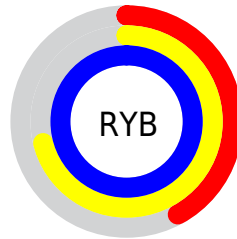
The XYZ color **59.1164, 81.5492, 103.8916** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **49.2095, 32.6954, 18.4705**, and the grayscale version is **61.1674, 64.3529, 70.0803**.

A 20% lighter version of the original color is **70.3876, 87.2860, 107.7458**, and **30.1696, 44.3928, 58.6083** is the 20% darker color. If you saturate the color by 10%, you get **56.4164, 80.1697, 103.2045**, and if you desaturate by 10%, it is **62.7197, 83.3943, 104.6259**.

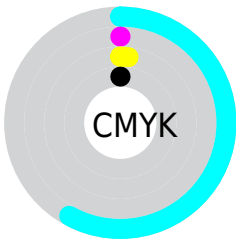
Distribution



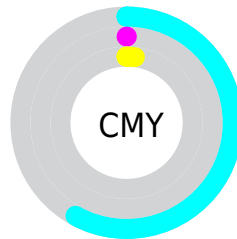
- Red (42%)
- Green (100%)
- Blue (98%)



- Red (42%)
- Yellow (71%)
- Blue (100%)



- Cyan (58%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)





- Cyan (58%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.1164, 81.5492, 103.8916 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 59.1164, 81.5492, 103.8916 by changing the saturation by 10% instead.


 59.1164, 81.5492,
103.8916

 59.1164, 81.5492,
103.8916


411.2203,
500.1385, 593.9517


 42.9536, 60.9940,
78.9196


 102.6605,
135.5416, 168.5933

 30.0430, 44.2203,
58.3088


 130.7724,
169.7477, 209.1600

 20.0195, 30.8438,
41.6406


 163.5981,
209.2728, 255.7622

 12.5176, 20.4799,
28.4965

201.5029,
254.5014, 308.8181

 7.1719, 12.7444,
18.4580

244.8522,
305.8179, 368.7465

 3.6171, 7.2528,
11.1065

294.0113,

 1.4879, 3.6207,

363.6067, 435.9659

6.0234

349.3455,
428.2521, 510.8948

■ 0.3176, 1.4637,
2.7903

■ 0.0000, 0.2630,
0.9886

■ 59.1164, 81.5492,
103.8916

■ 59.1164, 81.5492,
103.8916

■ 56.4164, 80.1697,
103.2045

■ 62.7197, 83.3943,
104.6259

■ 54.5338, 79.2116,
102.5563

■ 67.2954, 85.7406,
105.4062

■ 53.3720, 78.6250,
101.9439

■ 72.9097, 88.6222,
106.2372

■ 52.7945, 78.3396,
101.3608

■ 79.6220, 92.0699,
107.1216

■ 52.7277, 78.3071,
101.2705

■ 87.4873, 96.1120,
108.0621

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.



59.2757, 81.5492, 73.4240



59.1164, 81.5492, 103.8916



63.5548, 81.5492, 136.6238

Triad

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



59.1164, 81.5492, 103.8916



92.7836, 81.5492, 138.6212



83.3613, 81.5492, 43.1485

Complementary

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



59.1164, 81.5492, 103.8916



49.2095, 32.6954, 18.4705

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.



93.3719, 81.5492, 53.6746



59.1164, 81.5492, 103.8916



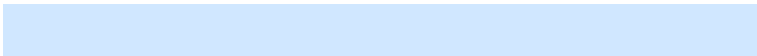
99.1460, 81.5492, 106.1701

Square

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



59.1164, 81.5492, 103.8916



82.6168, 81.5492, 159.5979



99.3708, 81.5492, 75.2334



72.6183, 81.5492, 42.8120

Rectangle

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



59.1164, 81.5492, 103.8916



68.7834, 81.5492, 153.3962



99.3708, 81.5492, 75.2334



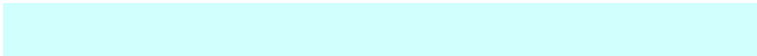
86.9453, 81.5492, 45.4793

Sweetspot

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



59.1175, 81.5497, 103.8931



79.9351, 92.2308, 107.1608



44.9141, 75.9385, 25.9279



16.6633, 19.5120, 22.8804



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.



59.1175, 81.5497, 103.8931



56.0686, 79.9924, 103.1001



41.4421, 45.1794, 101.1440



18.5326, 20.4726, 23.1075



27.5608, 40.9209, 52.9660



2.6899, 3.9869, 5.1909

Inverse Universe

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



49.2095, 32.6954, 18.4705



45.3551, 27.0965, 10.6814



59.2766, 53.1702, 20.7762



18.0291, 17.9950, 18.7706



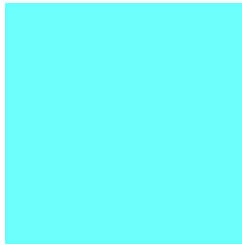
21.5769, 11.1201, 1.1565



2.1075, 1.0854, 0.1475

Previews

White Background



This preview shows how the XYZ color 59.1164, 81.5492, 103.8916 looks on a white background.

Color Contrast Check

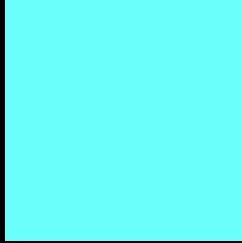
Large Text (above 18pt) WCAG AA × Fail

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 59.1164, 81.5492, 103.8916 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 59.1164, 81.5492, 103.8916

Background



This preview shows how black text looks on a background with the XYZ color 59.1164, 81.5492, 103.8916.

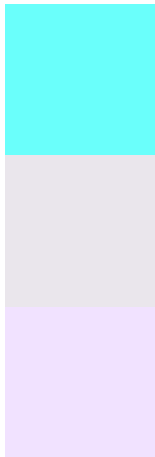


This preview shows how white text looks on a background with the XYZ color 59.1164, 81.5492,

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

59.1164, 81.5492, 103.8916

Protanopia

77.3688, 80.1422, 90.7481

Deuteranopia

81.5220, 80.3135, 105.8131



Tritanopia

68.4607, 80.7862, 106.5928

Trichromacy



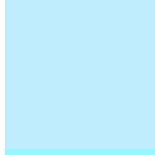
Original Color

59.1164, 81.5492, 103.8916



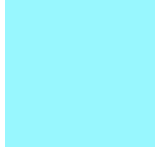
Protanomaly

67.2372, 78.6487, 94.8560



Deuteranomaly

69.9118, 78.9306, 105.3163



Tritanomaly

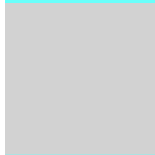
64.0991, 80.3527, 105.8972

Monochromacy



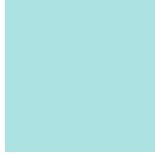
Original Color

59.1164, 81.5492, 103.8916



Achromatopsia

61.2578, 64.4480, 70.1838



Achromatomaly

57.8002, 68.5996, 81.4288

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.1164, 81.5492, 103.8916 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(106, 255, 251)` looks like.

```
.text, #text, p{  
    color:rgb(106, 255, 251)  
}
```

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(106, 255, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 255, 251) }
```

Border

The CSS property to change the border of an element to XYZ 59.1164, 81.5492, 103.8916 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(106, 255, 251) }
```


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

```
.border{ border-color:rgb(106, 255, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 255, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 255, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 255, 251);  
box-shadow:4px 4px 4px 4px rgb(106, 255,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 59.1164, 81.5492, 103.8916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 255, 251) }
```

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

```
.background{ background-color: rgb(106,  
255, 251) }
```

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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