

Converting Colors

XYZ(58.0413, 81.0655,
100.6536)

Have a look what the booklet for
XYZ(58.0413, 81.0655, 100.6536)
contains.

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Color

**XYZ(58.0280, 81.0602,
100.5835)**

Conversions

Conversions Part 1

Format	Color
Hex	66FFF7
RGB	102, 255, 247
RGB Percent	40%, 100%, 97%
CMY	0.6000, 0.0000, 0.0314
CMYK	0.60, 0.00, 0.03, 0.00
HSL	177°, 100%, 70%
HSV	177°, 60%, 100%
XYZ	58.0280, 81.0602, 100.5835
YIQ	208.3410, -88.6200, -34.9240

Conversions

Conversions Part 2

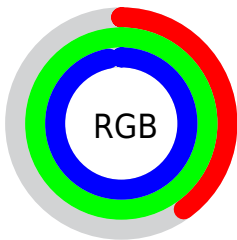
Format	Color
RYB	102, 181, 255
Decimal	6750199
CIELab	92.16, -42.03, -8.30
CIELCh	92, 42.846, 191.174
Yxy	81.0602, 0.2421, 0.3382
Android (android.graphics.Color)	4284940279 (0xFF66FFF7)
YUV	208.3410, 19.0589, -93.2611
Hunter-Lab	90.0334, -42.5124, -3.2142

Details

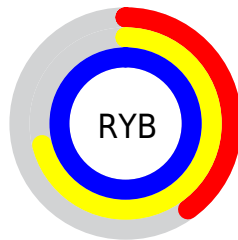
The XYZ color **58.0280, 81.0602, 100.5835** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **48.8069, 31.8901, 18.3364**, and the grayscale version is **60.0977, 63.2275, 68.8547**.

A 20% lighter version of the original color is **69.7463, 86.9555, 107.7158**, and **29.5981, 44.1498, 56.2520** is the 20% darker color. If you saturate the color by 10%, you get **55.3647, 79.7109, 99.3901**, and if you desaturate by 10%, it is **61.5835, 82.8692, 101.8292**.

Distribution



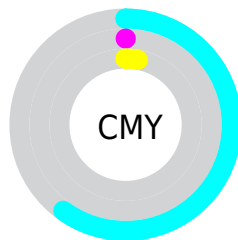
- Red (40%)
- Green (100%)
- Blue (97%)



- Red (40%)
- Yellow (71%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.0280, 81.0602, 100.5835 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 58.0280, 81.0602, 100.5835 by changing the saturation by 10% instead.


 58.0280, 81.0602,
100.5835


 58.0280, 81.0602,
100.5835


407.2424,
498.4986, 583.3245

 42.0745, 60.5912,
76.1683


 101.0864,
134.8553, 164.0177

 29.3510, 43.8953,
56.0631


 128.9219,
168.9502, 203.8738

 19.4921, 30.5882,
39.8492

 161.4489,
208.3558, 249.7139

 12.1325, 20.2855,
27.1081

199.0327,
253.4565, 301.9567

 6.9068, 12.6027,
17.4212

242.0386,
304.6368, 361.0206

 3.4497, 7.1556,
10.3702

290.8319,

 1.3958, 3.5596,

362.2809, 427.3241

5.5363

345.7781,
426.7734, 501.2859

■ 0.2532, 1.4304,
2.5010

■ 0.0000, 0.2390,
0.8407

■ 58.0280, 81.0602,
100.5835

■ 58.0280, 81.0602,
100.5835

■ 55.3647, 79.7109,
99.3901

■ 61.5835, 82.8692,
101.8292

■ 53.5058, 78.7761,
98.2406

■ 66.1016, 85.1743,
103.1262

■ 52.3516, 78.2044,
97.1318

■ 71.6495, 88.0102,
104.4790

■ 51.7375, 77.9110,
96.0558

■ 78.2876, 91.4079,
105.8907

■ 51.7373, 77.9109,
96.0555

■ 86.0714, 95.3961,
107.3637

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.



58.6374, 81.0602, 70.0489



58.0280, 81.0602, 100.5835



62.1365, 81.0602, 134.6769

Triad

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



58.0280, 81.0602, 100.5835



91.8936, 81.0602, 142.4294



84.1053, 81.0602, 42.2931

Complementary

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



58.0280, 81.0602, 100.5835



48.8069, 31.8901, 18.3364

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.



94.1663, 81.0602, 53.9616



58.0280, 81.0602, 100.5835



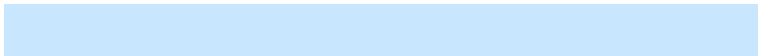
98.9511, 81.0602, 109.3836

Square

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



58.0280, 81.0602, 100.5835



81.2358, 81.0602, 162.4082



99.8205, 81.0602, 76.9880



73.0015, 81.0602, 41.0194

Rectangle

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



58.0280, 81.0602, 100.5835



67.2505, 81.0602, 153.0080



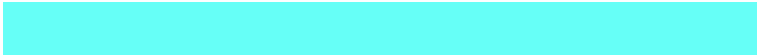
99.8205, 81.0602, 76.9880



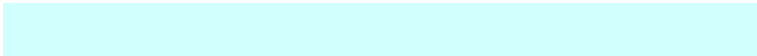
87.7478, 81.0602, 44.9708

Sweetspot

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



58.0291, 81.0607, 100.5850



79.7488, 92.1563, 106.1799



44.8671, 75.9378, 24.8650



16.6171, 19.4935, 22.6368



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.



58.0291, 81.0607, 100.5850



54.9308, 79.4919, 99.1564



41.6641, 46.3128, 101.3511



18.5114, 20.4641, 22.9961



27.0517, 40.7173, 50.2851



2.6460, 3.9693, 4.9597

Inverse Universe

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



48.8069, 31.8901, 18.3364



45.0039, 26.4116, 10.5102



57.6975, 50.3372, 19.2474



18.0479, 18.0025, 18.8692



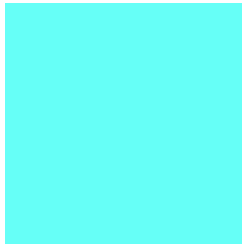
21.6036, 11.1307, 1.2969



2.1164, 1.0889, 0.1943

Previews

White Background



This preview shows how the XYZ color 58.0280, 81.0602, 100.5835 looks on a white background.

Color Contrast Check

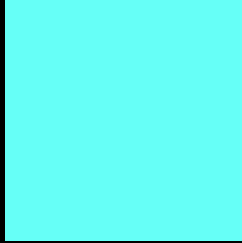
Large Text (above 18pt) WCAG AA × Fail

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 58.0280, 81.0602, 100.5835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

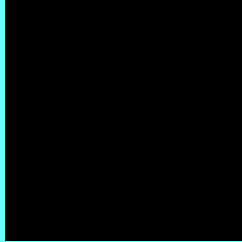
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.0280, 81.0602, 100.5835

Background



This preview shows how black text looks on a background with the XYZ color 58.0280, 81.0602, 100.5835.

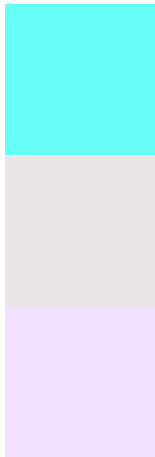


This preview shows how white text looks on a background with the XYZ color 58.0280, 81.0602,

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

58.0280, 81.0602, 100.5835

Protanopia

76.7940, 79.9122, 87.7211

Deuteranopia

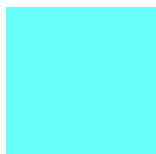
81.5072, 79.5218, 104.8193



Tritanopia

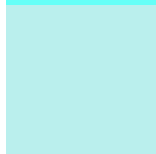
67.7798, 80.4351, 106.5609

Trichromacy



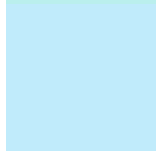
Original Color

58.0280, 81.0602, 100.5835



Protanomaly

66.4023, 78.2865, 91.7318



Deuteranomaly

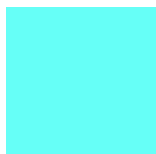
68.8591, 77.5882, 102.6135



Tritanomaly

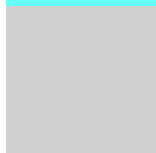
63.0442, 79.8457, 104.1844

Monochromacy



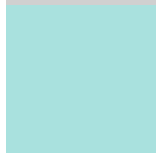
Original Color

58.0280, 81.0602, 100.5835



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

56.4722, 67.5594, 79.1711

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.0280, 81.0602, 100.5835 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, 247)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 247)  
}
```

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, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 247) }
```

Border

The CSS property to change the border of an element to XYZ 58.0280, 81.0602, 100.5835 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, 247) }
```


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

```
.border{ border-color:rgb(102, 255, 247) }
```

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, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 247);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 58.0280, 81.0602, 100.5835 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, 247) }
```

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

```
.background{ background-color: rgb(102,  
255, 247) }
```

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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