

Converting Colors

XYZ(58.2819, 81.1363,
103.0703)

Have a look what the booklet for
XYZ(58.2819, 81.1363, 103.0703)
contains.

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Color

**XYZ(58.2708, 81.1315,
103.0312)**

Conversions

Conversions Part 1

Format	Color
Hex	64FFFA
RGB	100, 255, 250
RGB Percent	39%, 100%, 98%
CMY	0.6078, 0.0000, 0.0196
CMYK	0.61, 0.00, 0.02, 0.00
HSL	178°, 100%, 70%
HSV	178°, 61%, 100%
XYZ	58.2708, 81.1315, 103.0312
YIQ	208.0850, -90.7750, -34.4150

Conversions

Conversions Part 2

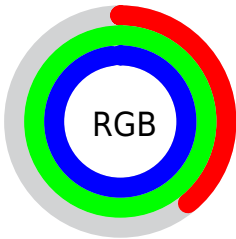
Format	Color
RYB	100, 179, 255
Decimal	6619130
CIELab	92.19, -41.58, -9.82
CIELCh	92, 42.723, 193.283
Yxy	81.1315, 0.2404, 0.3347
Android (android.graphics.Color)	4284809210 (0xFF64FFFA)
YUV	208.0850, 20.6641, -94.7905
Hunter-Lab	90.0730, -42.1511, -4.7685

Details

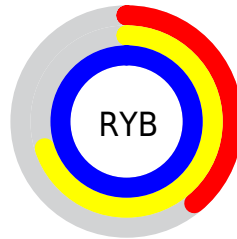
The XYZ color **58.2708, 81.1315, 103.0312** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **48.3479, 31.3957, 16.8778**, and the grayscale version is **59.9226, 63.0432, 68.6540**.

A 20% lighter version of the original color is **69.3270, 86.7393, 107.6962**, and **29.9317, 44.2832, 58.0089** is the 20% darker color. If you saturate the color by 10%, you get **55.7501, 79.8468, 102.2429**, and if you desaturate by 10%, it is **61.6765, 82.8722, 103.8667**.

Distribution



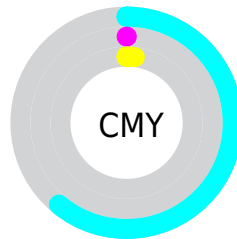
- Red (39%)
- Green (100%)
- Blue (98%)



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



- Cyan (61%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)



- Cyan (61%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.2708, 81.1315, 103.0312 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 58.2708, 81.1315, 103.0312 by changing the saturation by 10% instead.

58.2708, 81.1315,
103.0312

58.2708, 81.1315,
103.0312

408.1319,
498.7379, 591.1974

42.2705, 60.6499,
78.2035

101.4378,
134.9554, 167.4046

29.5052, 43.9427,
57.7237

129.3352,
169.0665, 207.7874

19.6095, 30.6255,
41.1733

161.9290,
208.4895, 254.1923

12.2181, 20.3138,
28.1338

199.5846,
253.6089, 307.0379

6.9657, 12.6234,
18.1866

242.6674,
304.8091, 366.7426

3.4868, 7.1697,
10.9132

291.5426,

1.4161, 3.5685,

362.4744, 433.7251

5.8951

346.5756,
426.9892, 508.4038

■ 0.2677, 1.4352,
2.7136

■ 0.0000, 0.2425,
0.9503

■ 58.2708, 81.1315,
103.0312

■ 58.2708, 81.1315,
103.0312

■ 55.7501, 79.8468,
102.2429

■ 61.6765, 82.8722,
103.8667

■ 54.0257, 78.9726,
101.4934

■ 66.0385, 85.1059,
104.7484

■ 52.9962, 78.4567,
100.7794

■ 71.4244, 87.8674,
105.6810

■ 52.5140, 78.2216,
100.1456

■ 77.8951, 91.1880,
106.6673

85.5063, 95.0965,
107.7100

94.3102, 99.6198,
108.8114

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.



58.5439, 81.1315, 72.0043



58.2708, 81.1315, 103.0312



62.6907, 81.1315, 136.8293

Triad

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



58.2708, 81.1315, 103.0312



92.5753, 81.1315, 140.3010



83.3713, 81.1315, 42.0255

Complementary

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



58.2708, 81.1315, 103.0312



48.3479, 31.3957, 16.8778

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.



93.5934, 81.1315, 52.9166



58.2708, 81.1315, 103.0312



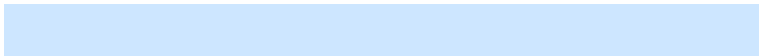
99.2442, 81.1315, 106.9729

Square

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



58.2708, 81.1315, 103.0312



82.0858, 81.1315, 161.5580



99.6336, 81.1315, 75.1134



72.3453, 81.1315, 41.4544

Rectangle

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



58.2708, 81.1315, 103.0312



67.9718, 81.1315, 154.4038



99.6336, 81.1315, 75.1134



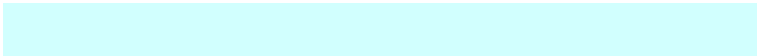
87.0392, 81.1315, 44.4567

Sweetspot

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



58.2719, 81.1320, 103.0327



79.8954, 92.2149, 106.9516



43.9067, 75.4540, 24.3083



16.6534, 19.5081, 22.8284



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.



58.2719, 81.1320, 103.0327



55.3020, 79.6191, 102.0734



40.1718, 43.6607, 100.9178



18.5281, 20.4708, 23.0838



27.4510, 40.8770, 52.3878



2.6805, 3.9831, 5.1411

Inverse Universe

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



48.3479, 31.3957, 16.8778



44.6239, 26.0038, 9.2976



58.3574, 51.8138, 18.9837



18.0331, 17.9966, 18.7916



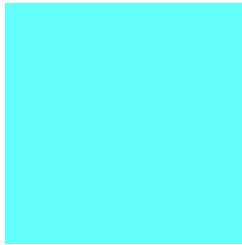
21.5826, 11.1223, 1.1864



2.1094, 1.0861, 0.1575

Previews

White Background



This preview shows how the XYZ color 58.2708, 81.1315, 103.0312 looks on a white background.

Color Contrast Check

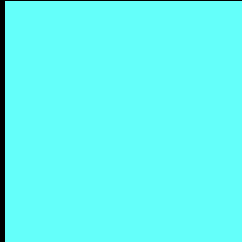
Large Text (above 18pt) WCAG AA × Fail

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 58.2708, 81.1315, 103.0312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

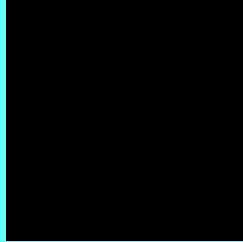
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.2708, 81.1315, 103.0312

Background



This preview shows how black text looks on a background with the XYZ color 58.2708, 81.1315, 103.0312.

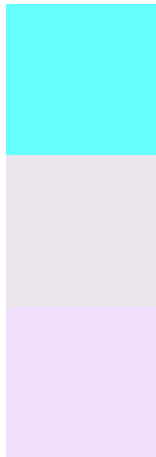


This preview shows how white text looks on a background with the XYZ color 58.2708, 81.1315,

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

58.2708, 81.1315, 103.0312

Protanopia

77.2239, 80.0842, 89.9849

Deuteranopia

81.2508, 79.7712, 105.7227



Tritanopia

67.7798, 80.4351, 106.5609

Trichromacy



Original Color

58.2708, 81.1315, 103.0312



Protanomaly

66.6023, 78.3386, 94.0486



Deuteranomaly

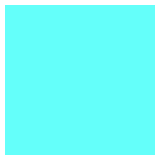
68.9603, 78.0299, 104.3552



Tritanomaly

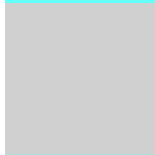
63.2031, 79.9093, 105.0214

Monochromacy



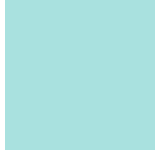
Original Color

58.2708, 81.1315, 103.0312



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

56.6067, 67.6132, 79.8792

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.2708, 81.1315, 103.0312 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, 250)` looks like.

```
.text, #text, p{  
    color:rgb(100, 255, 250)  
}
```

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, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 255, 250) }
```

Border

The CSS property to change the border of an element to XYZ 58.2708, 81.1315, 103.0312 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, 250) }
```


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

```
.border{ border-color:rgb(100, 255, 250) }
```

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, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 255, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 255, 250);  
box-shadow:4px 4px 4px 4px rgb(100, 255,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 58.2708, 81.1315, 103.0312 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, 250) }
```

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

```
.background{ background-color: rgb(100,  
255, 250) }
```

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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