

Converting Colors

XYZ(65.0968, 100.0000,
84.9675)

Have a look what the booklet for
XYZ(65.0968, 100.0000, 84.9675)
contains.

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Color

**XYZ(55.1292, 79.9821,
81.6397)**

Conversions

Conversions Part 1

Format	Color
Hex	6CFFDE
RGB	108, 255, 222
RGB Percent	42%, 100%, 87%
CMY	0.5764, 0.0000, 0.1294
CMYK	0.58, 0.00, 0.13, 0.00
HSL	167°, 100%, 71%
HSV	167°, 58%, 100%
XYZ	55.1292, 79.9821, 81.6397
YIQ	207.2850, -77.0190, -41.4270

Conversions

Conversions Part 2

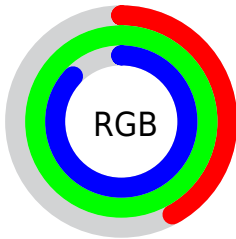
Format	Color
RYB	108, 191, 255
Decimal	7143390
CIELab	91.68, -47.14, 3.95
CIELCh	92, 47.307, 175.205
Yxy	79.9821, 0.2543, 0.3690
Android (android.graphics.Color)	4285333470 (0xFF6CFFDE)
YUV	207.2850, 7.2545, -87.0729
Hunter-Lab	89.4327, -46.4741, 8.4793

Details

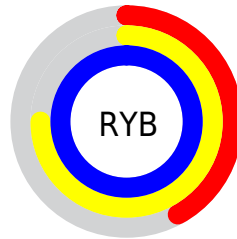
The XYZ color **55.1292, 79.9821, 81.6397** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **51.4112, 33.9095, 29.0363**, and the grayscale version is **59.4827, 62.5804, 68.1501**.

A 20% lighter version of the original color is **70.3876, 87.2860, 107.7458**, and **27.4202, 42.9694, 43.4079** is the 20% darker color. If you saturate the color by 10%, you get **51.7144, 78.3088, 77.5435**, and if you desaturate by 10%, it is **59.4785, 82.1341, 85.9184**.

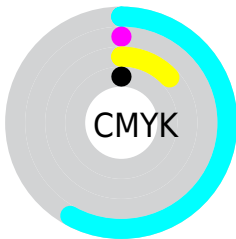
Distribution



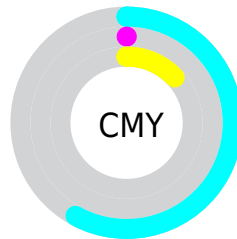
- Red (42%)
- Green (100%)
- Blue (87%)



- Red (42%)
- Yellow (75%)
- Blue (100%)



- Cyan (58%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (58%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.1292, 79.9821, 81.6397 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 55.1292, 79.9821, 81.6397 by changing the saturation by 10% instead.

 55.1292, 79.9821,
81.6397


 55.1292, 79.9821,
81.6397


396.5299,
494.8725, 520.2935


 39.7394, 59.7036,
60.5345


 96.8774, 133.3406,
137.5008

 27.5187, 43.1798,
43.4215


 123.9666,
167.1893, 173.0937

 18.1018, 30.0262,
29.8821


 155.6863,
206.3303, 214.3530

 11.1232, 19.8585,
19.4978

192.4019,
251.1480, 261.6972

 6.2177, 12.2922,
11.8501

234.4787,
302.0266, 315.5448

 3.0198, 6.9430,
6.5204

282.2820,

 1.1642, 3.4265,

359.3506, 376.3143

3.0902

336.1773,
423.5045, 444.4244

■ 0.0779, 1.3582,
1.1409

■ 0.0000, 0.1856,
0.0000

■ 55.1292, 79.9821,
81.6397

■ 55.1292, 79.9821,
81.6397

■ 51.7144, 78.3088,
77.5435

■ 59.4785, 82.1341,
85.9184

■ 49.1496, 77.0708,
73.6204

■ 64.8317, 84.8005,
90.3799

■ 47.3392, 76.2187,
69.8660

■ 71.2544, 88.0153,
95.0302

■ 46.1561, 75.6871,
66.2728

■ 78.8060, 91.8089,
99.8731

■ 45.9249, 75.5860,
65.4479

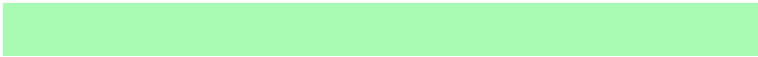
■ 87.5415, 96.2097,
104.9126

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.



58.4843, 79.9821, 54.3532



55.1292, 79.9821, 81.6397



56.8680, 79.9821, 118.6263

Triad

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



55.1292, 79.9821, 81.6397



86.3560, 79.9821, 162.2782



90.0722, 79.9821, 43.0582

Complementary

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



55.1292, 79.9821, 81.6397



51.4112, 33.9095, 29.0363

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.



99.0526, 79.9821, 61.7008



55.1292, 79.9821, 81.6397



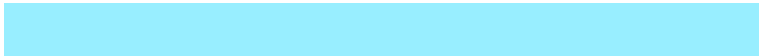
96.7526, 79.9821, 130.8690

Square

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



55.1292, 79.9821, 81.6397



74.0940, 79.9821, 171.7005



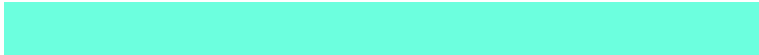
101.6177, 79.9821, 92.7712



77.9803, 79.9821, 36.1654

Rectangle

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



55.1292, 79.9821, 81.6397



60.7902, 79.9821, 143.3885



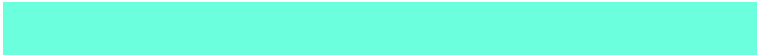
101.6177, 79.9821, 92.7712



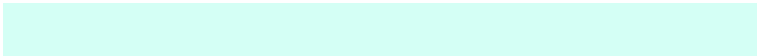
93.6034, 79.9821, 47.8714

Sweetspot

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



55.1301, 79.9825, 81.6411



79.3331, 92.0741, 100.1921



49.6747, 78.3806, 26.6998



16.6326, 19.5326, 21.2331



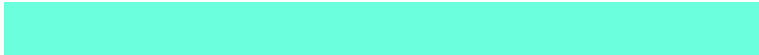
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



55.1301, 79.9825, 81.6411



51.3190, 78.1165, 77.0018



48.7401, 59.4186, 103.5078



18.3701, 20.4076, 22.2518



24.0558, 39.5189, 34.5088



2.3830, 3.8641, 3.5748

Inverse Universe

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



51.4112, 33.9095, 29.0363



47.3423, 28.1803, 20.2550



54.4126, 43.2738, 19.6738



18.1763, 18.0538, 19.5457



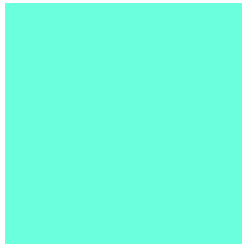
21.9836, 11.2827, 3.2982



2.1795, 1.1142, 0.5268

Previews

White Background



This preview shows how the XYZ color 55.1292, 79.9821, 81.6397 looks on a white background.

Color Contrast Check

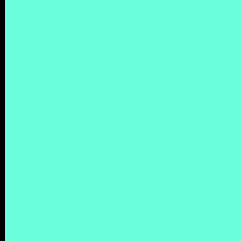
Large Text (above 18pt) WCAG AA × Fail

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 55.1292, 79.9821, 81.6397 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

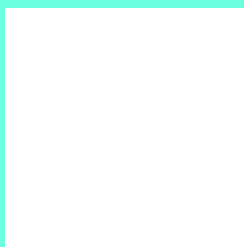
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 55.1292, 79.9821, 81.6397

Background



This preview shows how black text looks on a background with the XYZ color 55.1292, 79.9821, 81.6397.



This preview shows how white text looks on a background with the XYZ color 55.1292, 79.9821,

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

55.1292, 79.9821, 81.6397

Protanopia

75.0011, 78.9434, 70.9591

Deuteranopia

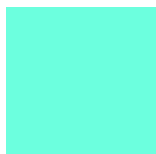
80.0478, 78.4089, 85.0442



Tritanopia

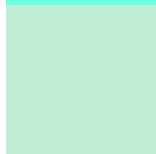
66.8154, 79.4949, 106.4303

Trichromacy



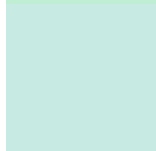
Original Color

55.1292, 79.9821, 81.6397



Protanomaly

64.0706, 77.0295, 74.4421



Deuteranomaly

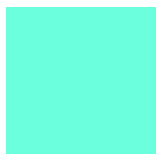
66.7035, 76.4787, 83.1977



Tritanomaly

61.8329, 79.3822, 96.8574

Monochromacy



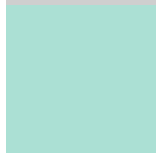
Original Color

55.1292, 79.9821, 81.6397



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

55.3339, 66.7227, 72.2497

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.1292, 79.9821, 81.6397 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(108, 255, 222)` looks like.

```
.text, #text, p{  
    color:rgb(108, 255, 222)  
}
```

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(108, 255, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 255, 222) }
```

Border

The CSS property to change the border of an element to XYZ 55.1292, 79.9821, 81.6397 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(108, 255, 222) }
```


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

```
.border{ border-color:rgb(108, 255, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 255, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 255, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 255, 222);  
box-shadow:4px 4px 4px 4px rgb(108, 255,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 55.1292, 79.9821, 81.6397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 255, 222) }
```

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

```
.background{ background-color: rgb(108,  
255, 222) }
```

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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