

Converting Colors

XYZ(64.2453, 100.0000,
81.9995)

Have a look what the booklet for
XYZ(64.2453, 100.0000, 81.9995)
contains.

XYZ(54.0084, 79.4655, 78.8215)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(54.0084, 79.4655,
78.8215)**

Conversions

Conversions Part 1

Format	Color
Hex	67FFDA
RGB	103, 255, 218
RGB Percent	40%, 100%, 85%
CMY	0.5961, 0.0000, 0.1451
CMYK	0.60, 0.00, 0.15, 0.00
HSL	165°, 100%, 70%
HSV	165°, 60%, 100%
XYZ	54.0084, 79.4655, 78.8215
YIQ	205.3340, -78.7150, -43.7310

Conversions

Conversions Part 2

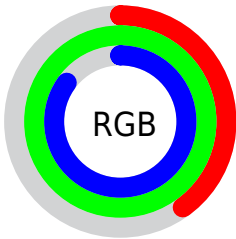
Format	Color
RYB	103, 190, 255
Decimal	6815706
CIELab	91.44, -48.99, 5.67
CIELCh	91, 49.313, 173.399
Yxy	79.4655, 0.2544, 0.3743
Android (android.graphics.Color)	4285005786 (0xFF67FFDA)
YUV	205.3340, 6.2443, -89.7469
Hunter-Lab	89.1434, -47.8551, 9.9756

Details

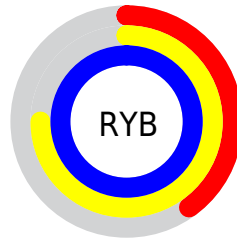
The XYZ color **54.0084, 79.4655, 78.8215** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **50.8247, 32.8551, 28.4752**, and the grayscale version is **58.2388, 61.2718, 66.7250**.

A 20% lighter version of the original color is **69.5359, 86.8470, 107.7060**, and **26.7023, 42.6414, 41.4736** is the 20% darker color. If you saturate the color by 10%, you get **50.7193, 77.8620, 74.5075**, and if you desaturate by 10%, it is **58.2212, 81.5417, 83.3403**.

Distribution



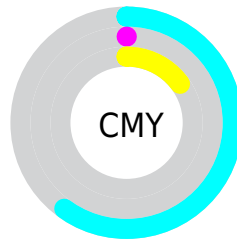
- Red (40%)
- Green (100%)
- Blue (85%)



- Red (40%)
- Yellow (75%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.0084, 79.4655, 78.8215 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 54.0084, 79.4655, 78.8215 by changing the saturation by 10% instead.


 54.0084, 79.4655,
78.8215

 54.0084, 79.4655,
78.8215

392.3399,
493.1297, 510.5539


 38.8391, 59.2786,
58.2286


 95.2434, 132.6140,
133.5039

 26.8147, 42.8374,
41.5765


 122.0398,
166.3444, 168.4305

 17.5700, 29.7576,
28.4468


 153.4426,
205.3581, 208.9721

 10.7395, 19.6547,
18.4207

189.8171,
250.0394, 255.5473

 5.9580, 12.1443,
11.0799

231.5287,
300.7729, 308.5745

 2.8599, 6.8420,
6.0058

278.9428,

 1.0801, 3.3635,

357.9428, 368.4723

2.7797

332.4248,
421.9336, 435.6593

0.0084, 1.3243,
0.9833

0.0000, 0.1599,
0.0000

54.0084, 79.4655,
78.8215

54.0084, 79.4655,
78.8215

50.7193, 77.8620,
74.5075

58.2212, 81.5417,
83.3403

48.2670, 76.6864,
70.3883

63.4289, 84.1271,
88.0649

46.5521, 75.8876,
66.4590

69.6985, 87.2565,
93.0012

45.4176, 75.3845,
62.7105

77.0904, 90.9607,
98.1540

■ 45.3777, 75.3671,
62.5661

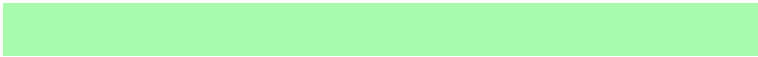
■ 85.6603, 95.2686,
103.5272

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.



57.7690, 79.4655, 51.5186



54.0084, 79.4655, 78.8215



55.4802, 79.4655, 116.9677

Triad

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



54.0084, 79.4655, 78.8215



85.5218, 79.4655, 166.6937



90.8477, 79.4655, 42.0629

Complementary

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



54.0084, 79.4655, 78.8215



50.8247, 32.8551, 28.4752

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.



99.9066, 79.4655, 61.8827



54.0084, 79.4655, 78.8215



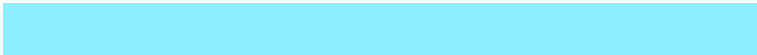
96.6015, 79.4655, 134.6083

Square

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



54.0084, 79.4655, 78.8215



72.7897, 79.4655, 174.9138



102.1208, 79.4655, 94.7135



78.3373, 79.4655, 34.4357

Rectangle

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



54.0084, 79.4655, 78.8215



59.3205, 79.4655, 143.2113



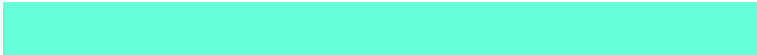
102.1208, 79.4655, 94.7135



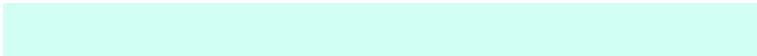
94.4511, 79.4655, 47.2033

Sweetspot

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



54.0093, 79.4659, 78.8229



78.3857, 91.6111, 99.0018



49.1937, 78.1625, 25.3275



16.2801, 19.3587, 20.8625



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.



54.0093, 79.4659, 78.8229



50.0593, 77.5433, 73.5036



48.4574, 59.7303, 103.5829



18.3547, 20.4014, 22.1710



23.7728, 39.4057, 33.0187



2.3576, 3.8540, 3.4411

Inverse Universe

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



50.8247, 32.8551, 28.4752



46.6765, 27.0806, 19.3178



53.2139, 41.2903, 17.9986



18.1906, 18.0596, 19.6210



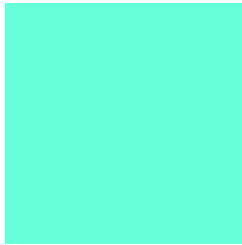
22.0529, 11.3105, 3.6632



2.1881, 1.1176, 0.5719

Previews

White Background



This preview shows how the XYZ color 54.0084, 79.4655, 78.8215 looks on a white background.

Color Contrast Check

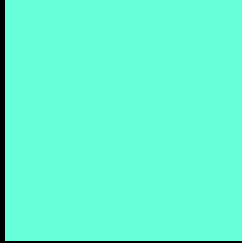
Large Text (above 18pt) WCAG AA × Fail

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 54.0084, 79.4655, 78.8215 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 54.0084, 79.4655, 78.8215

Background



This preview shows how black text looks on a background with the XYZ color 54.0084, 79.4655, 78.8215.



This preview shows how white text looks on a background with the XYZ color 54.0084, 79.4655, 78.8215.

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

54.0084, 79.4655, 78.8215

Protanopia

74.2391, 78.1972, 68.3075

Deuteranopia

79.5919, 77.8446, 82.0647



Tritanopia

65.8675, 78.5656, 106.3008

Trichromacy



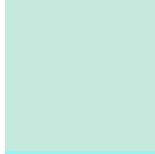
Original Color

54.0084, 79.4655, 78.8215



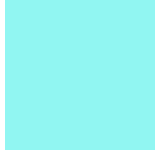
Protanomaly

63.3184, 76.6997, 71.7889



Deuteranomaly

65.6124, 75.5575, 80.2332



Tritanomaly

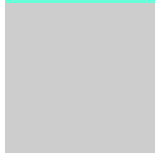
60.6598, 78.3421, 95.9288

Monochromacy



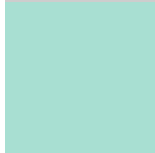
Original Color

54.0084, 79.4655, 78.8215



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

54.1690, 65.7533, 70.8094

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.0084, 79.4655, 78.8215 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(103, 255, 218)` looks like.

```
.text, #text, p{  
    color:rgb(103, 255, 218)  
}
```

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(103, 255, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 255, 218) }
```

Border

The CSS property to change the border of an element to XYZ 54.0084, 79.4655, 78.8215 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(103, 255, 218) }
```


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

```
.border{ border-color:rgb(103, 255, 218) }
```

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

Here you see how a box with a 4 pixel rgb(103, 255, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 255, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 255, 218);  
box-shadow:4px 4px 4px 4px rgb(103, 255,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 54.0084, 79.4655, 78.8215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 255, 218) }
```

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

```
.background{ background-color: rgb(103,  
255, 218) }
```

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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