

Converting Colors

XYZ(45.5581, 65.3104, 75.1708)

Have a look what the booklet for
XYZ(45.5581, 65.3104, 75.1708)
contains.

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Color

**XYZ(45.5581, 65.3104,
75.1708)**

Conversions

Conversions Part 1

Format	Color
Hex	58E9D8
RGB	88, 233, 216
RGB Percent	35%, 91%, 85%
CMY	0.6549, 0.0863, 0.1529
CMYK	0.62, 0.00, 0.07, 0.09
HSL	173°, 77%, 63%
HSV	173°, 62%, 91%
XYZ	45.5581, 65.3104, 75.1708
YIQ	187.7070, -80.9630, -36.0270

Conversions

Conversions Part 2

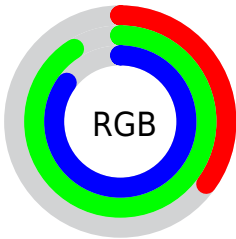
Format	Color
R _Y B	88, 165, 233
Decimal	5827032
CIE Lab	84.64, -42.51, -3.24
CIE LCh	85, 42.629, 184.360
Yxy	65.3104, 0.2449, 0.3511
Android (android.graphics.Color)	4284017112 (0xFF58E9D8)
YUV	187.7070, 13.9484, -87.4430
Hunter-Lab	80.8149, -40.7994, 1.4212

Details

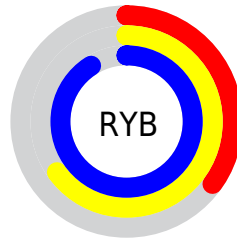
The XYZ color **45.5581, 65.3104, 75.1708** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **39.6460, 25.3249, 16.1655**, and the grayscale version is **47.5920, 50.0705, 54.5268**.

A 20% lighter version of the original color is **66.7589, 85.4154, 107.5760**, and **22.1552, 34.0175, 39.1165** is the 20% darker color. If you saturate the color by 10%, you get **43.3450, 64.2115, 73.2399**, and if you desaturate by 10%, it is **48.4854, 66.7799, 77.1687**.

Distribution



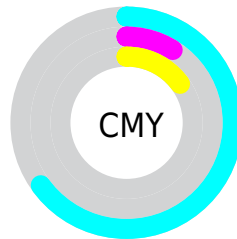
- Red (35%)
- Green (91%)
- Blue (85%)



- Red (35%)
- Yellow (65%)
- Blue (91%)



- Cyan (62%)
- Magenta (0%)
- Yellow (7%)
- Black (9%)





- Cyan (65%)
- Magenta (9%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.5581, 65.3104, 75.1708 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 45.5581, 65.3104, 75.1708 by changing the saturation by 10% instead.


 45.5581, 65.3104,
75.1708


 45.5581, 65.3104,
75.1708


359.7750,
443.9066, 497.7755


 32.1004, 47.7128,
55.2503


 82.7892, 112.4960,
128.3034

 21.5941, 33.5995,
39.2022


 107.2933,
142.8528, 162.3526

 13.6739, 22.5861,
26.6080


 136.2102,
178.2315, 201.9484

 7.9744, 14.2882,
17.0492

 169.9054,
219.0164, 247.5093

 4.1302, 8.3214,
10.1073

208.7440,
265.5920, 299.4540

 1.7761, 4.3013,
5.3636

253.0916,

 0.5032, 1.8435,

318.3426, 358.2008

2.3997

303.3135,
377.6527, 424.1685

■ 0.0000, 0.5141,
0.7863

■ 0.0000, 0.0000,
0.0000

■ 45.5581, 65.3104,
75.1708

■ 45.5581, 65.3104,
75.1708

■ 43.3450, 64.2115,
73.2399

■ 48.4854, 66.7799,
77.1687

■ 41.7706, 63.4397,
71.3680


■ 52.1819, 68.6437,
79.2319


■ 40.7526, 62.9540,
69.5525


■ 56.7038, 70.9323,
81.3647


■ 40.2420, 62.7207,
68.1757


■ 62.1004, 73.6711,
83.5695

 68.4170, 76.8835,
85.8487

 75.6959, 80.5913,
88.2042

 83.9767, 84.8149,
90.6382

 85.7918, 85.7047,
92.8012

 86.1961, 85.8664,
94.9300

Harmonies

Analogous

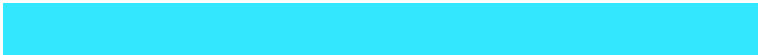
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.9961, 65.3104, 50.7586



45.5581, 65.3104, 75.1708



48.1611, 65.3104, 104.9819

Triad

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



45.5581, 65.3104, 75.1708



72.9872, 65.3104, 123.7439



70.3358, 65.3104, 33.5551

Complementary

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



45.5581, 65.3104, 75.1708



39.6460, 25.3249, 16.1655

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.



78.4410, 65.3104, 45.4443



45.5581, 65.3104, 75.1708



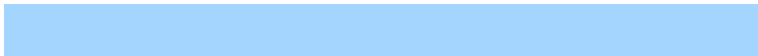
80.0782, 65.3104, 96.2869

Square

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



45.5581, 65.3104, 75.1708



63.4771, 65.3104, 137.2160



82.1688, 65.3104, 67.2018



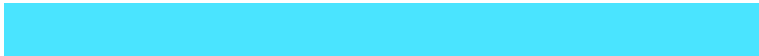
60.6948, 65.3104, 30.6097

Rectangle

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



45.5581, 65.3104, 75.1708



52.0112, 65.3104, 122.7743



82.1688, 65.3104, 67.2018



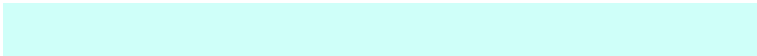
73.3611, 65.3104, 36.4569

Sweetspot

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



45.5600, 65.3129, 75.1723



78.5152, 91.5801, 103.4221



37.0060, 62.1315, 19.2761



16.3520, 19.3714, 21.9664



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.



45.5600, 65.3129, 75.1723



52.5054, 78.4605, 89.1496



35.0222, 40.5356, 83.0719



15.4372, 17.0897, 18.9850



22.8635, 35.5999, 38.8419



1.8169, 2.8041, 3.1635

Inverse Universe

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



39.6460, 25.3249, 16.1655



44.7461, 25.5734, 11.4190



44.9175, 37.1296, 14.0333



15.1373, 15.0828, 16.0083



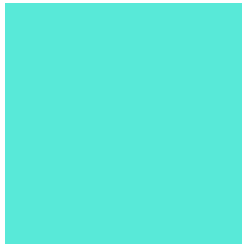
19.2053, 9.8848, 1.6164



1.5317, 0.7856, 0.2512

Previews

White Background



This preview shows how the XYZ color 45.5581, 65.3104, 75.1708 looks on a white background.

Color Contrast Check

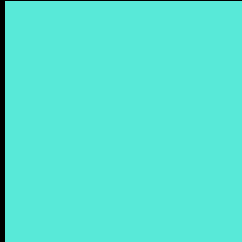
Large Text (above 18pt) WCAG AA × Fail

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 45.5581, 65.3104, 75.1708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

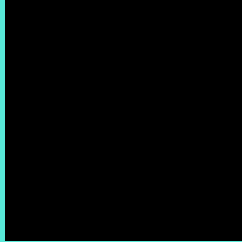
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

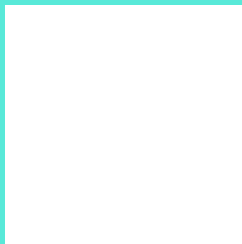
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.5581, 65.3104, 75.1708

Background



This preview shows how black text looks on a background with the XYZ color 45.5581, 65.3104, 75.1708.

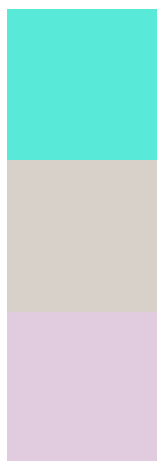


This preview shows how white text looks on a background with the XYZ color 45.5581, 65.3104,

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

45.5581, 65.3104, 75.1708

Protanopia

61.4855, 64.3123, 65.0500

Deuteranopia

65.5182, 64.3070, 78.0665



Tritanopia

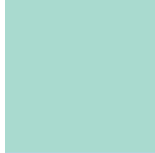
49.8987, 64.9689, 97.9060

Trichromacy



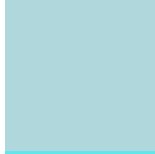
Original Color

45.5581, 65.3104, 75.1708



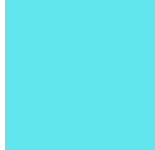
Protanomaly

52.6961, 63.0828, 68.4303



Deuteranomaly

54.8979, 62.8821, 76.9542



Tritanomaly

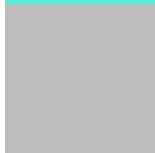
48.2610, 65.1366, 89.3859

Monochromacy



Original Color

45.5581, 65.3104, 75.1708



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

44.7348, 53.9383, 61.4794

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5581, 65.3104, 75.1708 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(88, 233, 216)` looks like.

```
.text, #text, p{  
    color:rgb(88, 233, 216)  
}
```

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(88, 233, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 233, 216) }
```

Border

The CSS property to change the border of an element to XYZ 45.5581, 65.3104, 75.1708 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(88, 233, 216) }
```


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

```
.border{ border-color:rgb(88, 233, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 233, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 233, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 233, 216);  
box-shadow:4px 4px 4px 4px rgb(88, 233,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5581, 65.3104, 75.1708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 233, 216) }
```

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

```
.background{ background-color: rgb(88, 233,  
216) }
```

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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