

Converting Colors

XYZ(55.8656, 80.1952, 89.1966)

Have a look what the booklet for
XYZ(55.8656, 80.1952, 89.1966)
contains.

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Color

**XYZ(55.8050, 80.1710,
88.8772)**

Conversions

Conversions Part 1

Format	Color
Hex	66FFE8
RGB	102, 255, 232
RGB Percent	40%, 100%, 91%
CMY	0.6000, 0.0000, 0.0902
CMYK	0.60, 0.00, 0.09, 0.00
HSL	171°, 100%, 70%
HSV	171°, 60%, 100%
XYZ	55.8050, 80.1710, 88.8772
YIQ	206.6310, -83.8050, -39.5890

Conversions

Conversions Part 2

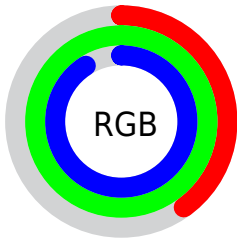
Format	Color
RYB	102, 185, 255
Decimal	6750184
CIELab	91.76, -45.81, -1.12
CIELCh	92, 45.824, 181.397
Yxy	80.1710, 0.2482, 0.3565
Android (android.graphics.Color)	4284940264 (0xFF66FFE8)
YUV	206.6310, 12.5069, -91.7614
Hunter-Lab	89.5383, -45.4413, 3.8245

Details

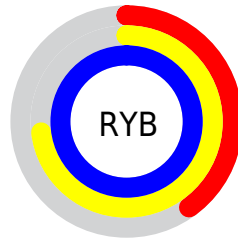
The XYZ color **55.8050, 80.1710, 88.8772** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **49.6940, 32.2448, 23.0084**, and the grayscale version is **59.0323, 62.1066, 67.6341**.

A 20% lighter version of the original color is **69.5359, 86.8470, 107.7060**, and **28.0306, 43.5228, 47.9977** is the 20% darker color. If you saturate the color by 10%, you get **52.8079, 78.6881, 85.9266**, and if you desaturate by 10%, it is **59.7044, 82.1176, 91.9348**.

Distribution



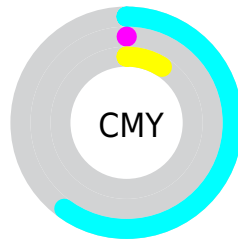
- Red (40%)
- Green (100%)
- Blue (91%)



- Red (40%)
- Yellow (73%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.8050, 80.1710, 88.8772 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 55.8050, 80.1710, 88.8772 by changing the saturation by 10% instead.

 55.8050, 80.1710,
88.8772


 55.8050, 80.1710,
88.8772


399.0432,
495.5089, 544.8472

 40.2830, 59.8591,
66.4813


 97.8609, 133.6061,
147.6996

 27.9444, 43.3051,
48.2043


 125.1254,
167.4981, 184.9633

 18.4240, 30.1245,
33.6276


 157.0349,
206.6856, 228.0199

 11.3564, 19.9331,
22.3326

193.9546,
251.5529, 277.2881

 6.3761, 12.3465,
13.9008

236.2500,
302.4845, 333.1864

 3.1179, 6.9801,
7.9138

284.2863,

 1.2164, 3.4496,

359.8648, 396.1333

3.9528

338.4289,
424.0781, 466.5474

0.1193, 1.3707,
1.5995

0.0000, 0.1950,
0.2905

55.8050, 80.1710,
88.8772

55.8050, 80.1710,
88.8772

52.8079, 78.6881,
85.9266

59.7044, 82.1176,
91.9348

50.6257, 77.6240,
83.0744

64.5770, 84.5645,
95.0989

49.1584, 76.9271,
80.3169

70.4901, 87.5464,
98.3745

48.2414, 76.5126,
77.6460

77.5038, 91.0944,
101.7647

■ 48.2412, 76.5125,
77.6453

■ 85.6741, 95.2371,
105.2726

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.



58.0655, 80.1710, 59.8794



55.8050, 80.1710, 88.8772



58.5256, 80.1710, 125.4498

Triad

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



55.8050, 80.1710, 88.8772



88.5634, 80.1710, 154.8439



87.5145, 80.1710, 41.9793

Complementary

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



55.8050, 80.1710, 88.8772



49.6940, 32.2448, 23.0084

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.



97.1167, 80.1710, 57.7824



55.8050, 80.1710, 88.8772



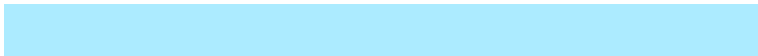
97.7646, 80.1710, 122.0074

Square

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



55.8050, 80.1710, 88.8772



76.7514, 80.1710, 169.0900



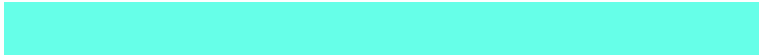
101.0423, 80.1710, 85.7269



75.6515, 80.1710, 37.3355

Rectangle

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



55.8050, 80.1710, 88.8772



62.9777, 80.1710, 148.1214



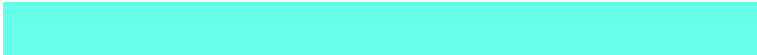
101.0423, 80.1710, 85.7269



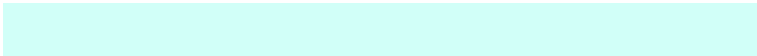
91.1547, 80.1710, 45.9212

Sweetspot

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



55.8060, 80.1715, 88.8786



79.0416, 91.8734, 102.4559



46.9865, 77.0304, 24.9640



16.4419, 19.4235, 21.7146



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.



55.8060, 80.1715, 88.8786



52.3085, 78.4430, 85.3476



45.1236, 53.2319, 102.5043



18.4306, 20.4318, 22.5703



25.2516, 39.9972, 40.8057



2.4891, 3.9066, 4.1335

Inverse Universe

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



49.6940, 32.2448, 23.0084



45.7708, 26.7184, 14.5489



55.0306, 45.0033, 18.3582



18.1206, 18.0316, 19.2524



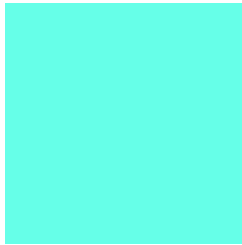
21.7675, 11.1963, 2.1600



2.1506, 1.1026, 0.3747

Previews

White Background



This preview shows how the XYZ color 55.8050, 80.1710, 88.8772 looks on a white background.

Color Contrast Check

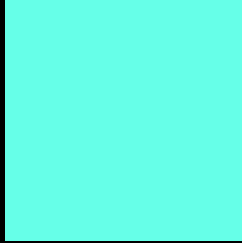
Large Text (above 18pt) WCAG AA × Fail

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 55.8050, 80.1710, 88.8772 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

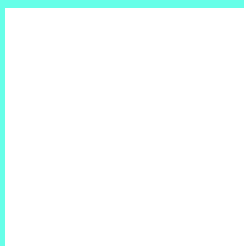
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 55.8050, 80.1710, 88.8772

Background



This preview shows how black text looks on a background with the XYZ color 55.8050, 80.1710, 88.8772.

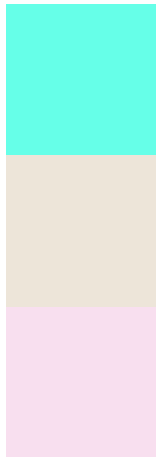


This preview shows how white text looks on a background with the XYZ color 55.8050, 80.1710,

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

55.8050, 80.1710, 88.8772

Protanopia

75.4687, 79.0529, 76.9267

Deuteranopia

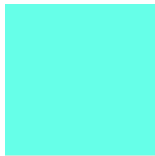
80.6791, 78.9638, 92.6506



Tritanopia

66.8154, 79.4949, 106.4303

Trichromacy



Original Color

55.8050, 80.1710, 88.8772



Protanomaly

64.4984, 77.1144, 80.5924



Deuteranomaly

67.3543, 77.0749, 90.6839



Tritanomaly

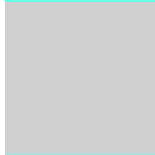
62.0819, 79.4400, 100.0571

Monochromacy



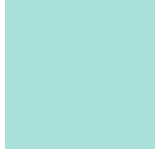
Original Color

55.8050, 80.1710, 88.8772



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

55.4125, 66.7042, 74.9204

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.8050, 80.1710, 88.8772 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, 232)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 232)  
}
```

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, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 232) }
```

Border

The CSS property to change the border of an element to XYZ 55.8050, 80.1710, 88.8772 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, 232) }
```


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

```
.border{ border-color:rgb(102, 255, 232) }
```

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, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 232);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 55.8050, 80.1710, 88.8772 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, 232) }
```

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

```
.background{ background-color: rgb(102,  
255, 232) }
```

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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