

Converting Colors

XYZ(55.5639, 80.0500, 88.7193)

Have a look what the booklet for
XYZ(55.5639, 80.0500, 88.7193)
contains.

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Color

**XYZ(55.5810, 80.0555,
88.8668)**

Conversions

Conversions Part 1

Format	Color
Hex	64FFE8
RGB	100, 255, 232
RGB Percent	39%, 100%, 91%
CMY	0.6078, 0.0000, 0.0902
CMYK	0.61, 0.00, 0.09, 0.00
HSL	171°, 100%, 70%
HSV	171°, 61%, 100%
XYZ	55.5810, 80.0555, 88.8668
YIQ	206.0330, -84.9970, -40.0130

Conversions

Conversions Part 2

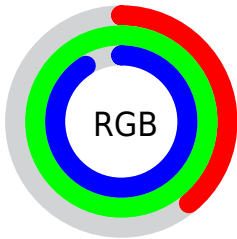
Format	Color
RYB	100, 184, 255
Decimal	6619112
CIELab	91.71, -46.15, -1.20
CIElCh	92, 46.163, 181.489
Yxy	80.0555, 0.2476, 0.3566
Android (android.graphics.Color)	4284809192 (0xFF64FFE8)
YUV	206.0330, 12.8017, -92.9909
Hunter-Lab	89.4737, -45.6950, 3.7438

Details

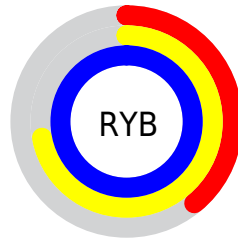
The XYZ color **55.5810, 80.0555, 88.8668** is a light color, and the websafe version is hex **33FFFF**. A complement of this color would be **49.3732, 31.8057, 22.2772**, and the grayscale version is **58.6477, 61.7019, 67.1934**.

A 20% lighter version of the original color is **69.1198, 86.6325, 107.6865**, and **27.8027, 43.0671, 47.9217** is the 20% darker color. If you saturate the color by 10%, you get **52.6571, 78.6096, 85.9556**, and if you desaturate by 10%, it is **59.4008, 81.9619, 91.8832**.

Distribution



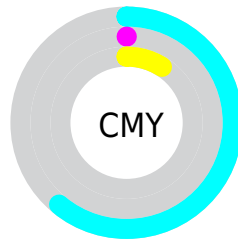
- Red (39%)
- Green (100%)
- Blue (91%)



- Red (39%)
- Yellow (72%)
- Blue (100%)



- Cyan (61%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (61%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.5810, 80.0555, 88.8668 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 55.5810, 80.0555, 88.8668 by changing the saturation by 10% instead.


 55.5810, 80.0555,
88.8668


 55.5810, 80.0555,
88.8668


398.2112,
495.1199, 544.8124

 40.1028, 59.7640,
66.4728


 97.5351, 133.4438,
147.6851

 27.8032, 43.2285,
48.1974


 124.7416,
167.3093, 184.9463

 18.3171, 30.0644,
33.6221


 156.5883,
206.4684, 228.0005

 11.2789, 19.8875,
22.3284

193.4404,
251.3053, 277.2659

 6.3235, 12.3133,
13.8978

235.6635,
302.2046, 333.1613

 3.0853, 6.9574,
7.9117

283.6227,

 1.1990, 3.4355,

359.5505, 396.1052

3.9515

337.6835,
423.7274, 466.5160

■ 0.1056, 1.3631,
1.5988

■ 0.0000, 0.1893,
0.2900

■ 55.5810, 80.0555,
88.8668

■ 55.5810, 80.0555,
88.8668

■ 52.6571, 78.6096,
85.9556

■ 59.4008, 81.9619,
91.8832

■ 50.5405, 77.5786,
83.1408


■ 64.1879, 84.3656,
95.0042

■ 49.1297, 76.9101,
80.4187


■ 70.0103, 87.3017,
98.2348

■ 48.3056, 76.5382,
77.9842

■ 76.9285, 90.8013,
101.5782

 84.9986, 94.8934,
105.0374

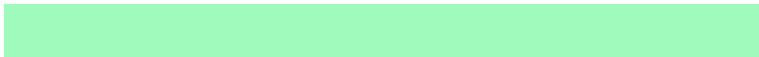
 94.2728, 99.6048,
108.6152

 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.



57.8373, 80.0555, 59.6744



55.5810, 80.0555, 88.8668



58.3299, 80.0555, 125.7203

Triad

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



55.5810, 80.0555, 88.8668



88.5725, 80.0555, 155.1793



87.4470, 80.0555, 41.6146

Complementary

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



55.5810, 80.0555, 88.8668



49.3732, 31.8057, 22.2772

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.



97.1331, 80.0555, 57.4307



55.5810, 80.0555, 88.8668



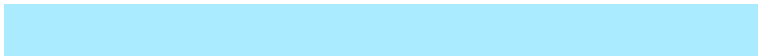
97.8288, 80.0555, 122.0226

Square

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



55.5810, 80.0555, 88.8668



76.6816, 80.0555, 169.6349



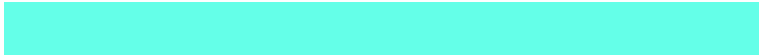
101.1104, 80.0555, 85.4887



75.5021, 80.0555, 36.9948

Rectangle

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



55.5810, 80.0555, 88.8668



62.8143, 80.0555, 148.5674



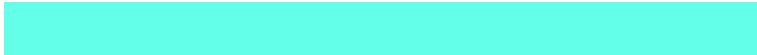
101.1104, 80.0555, 85.4887



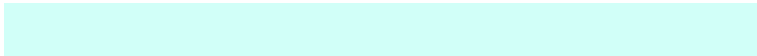
91.1165, 80.0555, 45.5541

Sweetspot

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



55.5820, 80.0560, 88.8682



79.0555, 91.8790, 102.5288



46.2655, 76.6700, 24.4186



16.4454, 19.4248, 21.7326



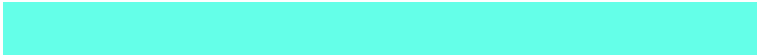
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



55.5820, 80.0560, 88.8682



52.1211, 78.3467, 85.3229



44.1352, 51.5876, 102.2390



18.4322, 20.4324, 22.5787



25.2848, 40.0105, 40.9805



2.4920, 3.9077, 4.1489

Inverse Universe

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



49.3732, 31.8057, 22.2772



45.4920, 26.3510, 13.8690



55.1382, 45.3754, 17.9105



18.1192, 18.0310, 19.2448



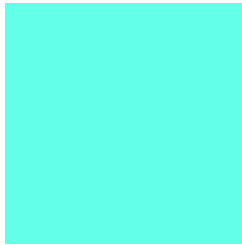
21.7629, 11.1945, 2.1362



2.1500, 1.1024, 0.3711

Previews

White Background



This preview shows how the XYZ color 55.5810, 80.0555, 88.8668 looks on a white background.

Color Contrast Check

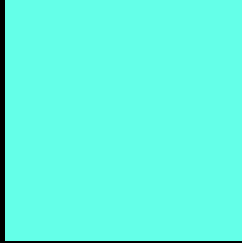
Large Text (above 18pt) WCAG AA × Fail

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 55.5810, 80.0555, 88.8668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

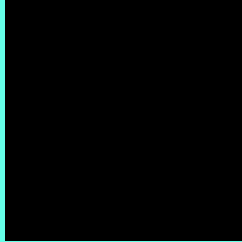
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

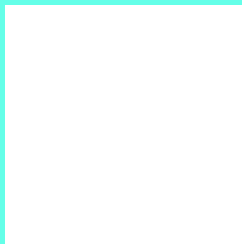
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 55.5810, 80.0555, 88.8668

Background



This preview shows how black text looks on a background with the XYZ color 55.5810, 80.0555, 88.8668.

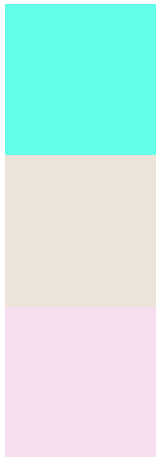


This preview shows how white text looks on a background with the XYZ color 55.5810, 80.0555,

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

55.5810, 80.0555, 88.8668

Protanopia

74.8599, 78.3294, 76.8192

Deuteranopia

80.3254, 78.7815, 92.6341



Tritanopia

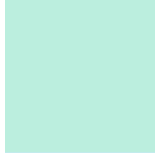
66.5967, 79.3822, 106.4200

Trichromacy



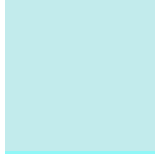
Original Color

55.5810, 80.0555, 88.8668



Protanomaly

64.2529, 76.9878, 80.5809



Deuteranomaly

67.0968, 76.9421, 90.6718



Tritanomaly

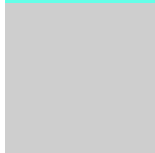
61.7263, 79.2567, 100.0404

Monochromacy



Original Color

55.5810, 80.0555, 88.8668



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

54.8577, 66.4331, 74.2215

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.5810, 80.0555, 88.8668 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, 232)` looks like.

```
.text, #text, p{  
    color:rgb(100, 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(100, 255, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 255, 232) }
```

Border

The CSS property to change the border of an element to XYZ 55.5810, 80.0555, 88.8668 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, 232) }
```


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

```
.border{ border-color:rgb(100, 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(100, 255, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 255, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 255, 232);  
box-shadow:4px 4px 4px 4px rgb(100, 255,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 55.5810, 80.0555, 88.8668 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, 232) }
```

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

```
.background{ background-color: rgb(100,  
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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