

Converting Colors

XYZ(55.8955, 80.0613, 95.9431)

Have a look what the booklet for
XYZ(55.8955, 80.0613, 95.9431)
contains.

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Color

**XYZ(55.8536, 80.0445,
95.7254)**

Conversions

Conversions Part 1

Format	Color
Hex	5AFF1
RGB	90, 255, 241
RGB Percent	35%, 100%, 95%
CMY	0.6470, 0.0000, 0.0549
CMYK	0.65, 0.00, 0.05, 0.00
HSL	175°, 100%, 68%
HSV	175°, 65%, 100%
XYZ	55.8536, 80.0445, 95.7254
YIQ	204.0690, -93.8460, -39.3340

Conversions

Conversions Part 2

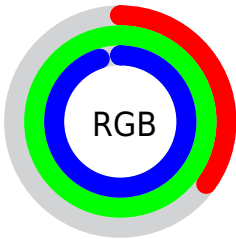
Format	Color
R_{YB}	90, 176, 255
Decimal	5963761
CIE _{Lab}	91.70, -45.44, -5.90
CIE _{LCh}	92, 45.825, 187.394
Yxy	80.0445, 0.2411, 0.3456
Android (android.graphics.Color)	4284153841 (0xFF5AFFF1)
YUV	204.0690, 18.2070, -100.0385
Hunter-Lab	89.4676, -45.1328, -0.8097

Details

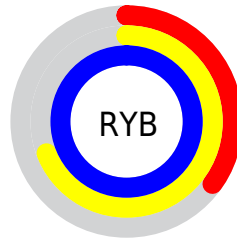
The XYZ color **55.8536, 80.0445, 95.7254** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light muted cyan. A complement of this color would be **47.3959, 29.5733, 16.3086**, and the grayscale version is **57.3702, 60.3579, 65.7297**.

A 20% lighter version of the original color is **67.7146, 85.9081, 107.6207**, and **28.9510, 43.8909, 52.8449** is the 20% darker color. If you saturate the color by 10%, you get **53.4637, 78.8495, 93.9378**, and if you desaturate by 10%, it is **59.0999, 81.6804, 97.5759**.

Distribution



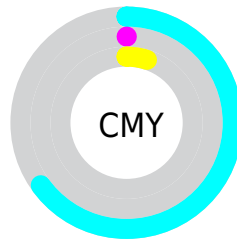
- Red (35%)
- Green (100%)
- Blue (95%)



- Red (35%)
- Yellow (69%)
- Blue (100%)



- Cyan (65%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)



- Cyan (65%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.8536, 80.0445, 95.7254 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 55.8536, 80.0445, 95.7254 by changing the saturation by 10% instead.

55.8536, 80.0445,
95.7254

55.8536, 80.0445,
95.7254

399.2235,
495.0828, 567.5282

40.3221, 59.7550,
72.1387

97.9315, 133.4283,
157.2706

27.9751, 43.2212,
52.7844

125.2087,
167.2914, 196.0661

18.4472, 30.0587,
37.2442

157.1318,
206.4477, 240.7683

11.3732, 19.8831,
25.0993

194.0661,
251.2818, 291.7957

6.3876, 12.3101,
15.9314

236.3771,
302.1779, 349.5668

3.1250, 6.9553,
9.3218

284.4301,

1.2202, 3.4341,

359.5205, 414.5003

4.8520

338.5905,
423.6940, 487.0146

■ 0.1222, 1.3624,
2.1035

■ 0.0000, 0.1887,
0.6178

■ 55.8536, 80.0445,
95.7254

■ 55.8536, 80.0445,
95.7254

■ 53.4637, 78.8495,
93.9378

■ 59.0999, 81.6804,
97.5759

■ 51.8356, 78.0469,
92.2045

■ 63.2776, 83.7961,
99.4887

■ 50.8584, 77.5794,
90.5215

■ 68.4572, 86.4278,
101.4686

■ 50.5202, 77.4241,
89.6464

■ 74.7016, 89.6081,
103.5185

82.0686, 93.3665,
105.6413

90.6116, 97.7308,
107.8395

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.



57.1191, 80.0445, 64.6317



55.8536, 80.0445, 95.7254



59.5479, 80.0445, 132.5049

Triad

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



55.8536, 80.0445, 95.7254



90.5985, 80.0445, 149.1228



85.0725, 80.0445, 40.1289

Complementary

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



55.8536, 80.0445, 95.7254



47.3959, 29.5733, 16.3086

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.



95.4192, 80.0445, 53.5495



55.8536, 80.0445, 95.7254



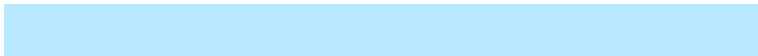
98.8312, 80.0445, 114.3831

Square

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



55.8536, 80.0445, 95.7254



79.0164, 80.0445, 168.0764



100.6802, 80.0445, 79.1118



73.2171, 80.0445, 37.5505

Rectangle

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



55.8536, 80.0445, 95.7254



64.5742, 80.0445, 153.5905



100.6802, 80.0445, 79.1118



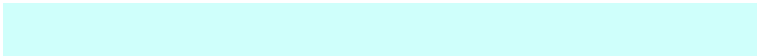
88.8770, 80.0445, 43.3174

Sweetspot

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



55.8547, 80.0450, 95.7269



78.7617, 91.6787, 104.7200



43.6101, 75.3537, 21.9209



16.4125, 19.3956, 22.2848



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.



55.8547, 80.0450, 95.7269



52.8475, 78.5440, 93.3604



40.4655, 45.7907, 101.3135



18.4845, 20.4533, 22.8541



26.4256, 40.4668, 46.9879



2.5918, 3.9476, 4.6740

Inverse Universe

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



47.3959, 29.5733, 16.3086



43.8608, 24.5788, 8.7314



54.9751, 45.7769, 15.6130



18.0719, 18.0121, 18.9959



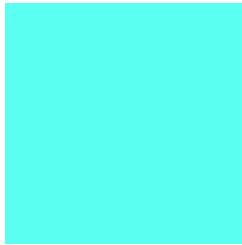
21.6440, 11.1469, 1.5099



2.1278, 1.0935, 0.2542

Previews

White Background



This preview shows how the XYZ color 55.8536, 80.0445, 95.7254 looks on a white background.

Color Contrast Check

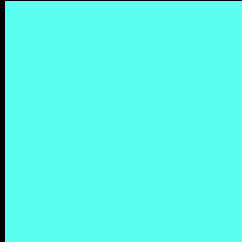
Large Text (above 18pt) WCAG AA × Fail

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 55.8536, 80.0445, 95.7254 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

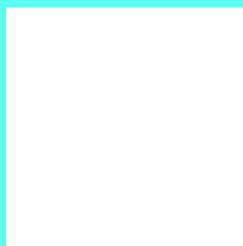
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 55.8536, 80.0445, 95.7254

Background



This preview shows how black text looks on a background with the XYZ color 55.8536, 80.0445, 95.7254.



This preview shows how white text looks on a background with the XYZ color 55.8536, 80.0445,

Color Blindness Simulation

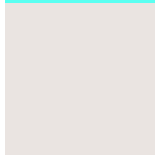
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



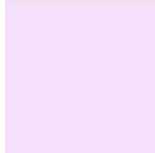
Original Color

55.8536, 80.0445, 95.7254



Protanopia

75.2657, 78.4155, 82.4029



Deuteranopia

80.2931, 78.6073, 99.7478



Tritanopia

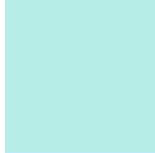
66.1643, 79.1593, 106.3998

Trichromacy



Original Color

55.8536, 80.0445, 95.7254



Protanomaly

64.2897, 76.8637, 87.0490



Deuteranomaly

66.6833, 76.5740, 97.6519



Tritanomaly

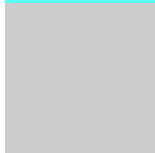
61.3313, 78.9991, 102.4583

Monochromacy



Original Color

55.8536, 80.0445, 95.7254



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

54.0163, 65.5716, 75.4553

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.8536, 80.0445, 95.7254 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(90, 255, 241)` looks like.

```
.text, #text, p{  
    color:rgb(90, 255, 241)  
}
```

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(90, 255, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 255, 241) }
```

Border

The CSS property to change the border of an element to XYZ 55.8536, 80.0445, 95.7254 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(90, 255, 241) }
```


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

```
.border{ border-color:rgb(90, 255, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 255, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 255, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 255, 241);  
box-shadow:4px 4px 4px 4px rgb(90, 255,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 55.8536, 80.0445, 95.7254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 255, 241) }
```

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

```
.background{ background-color: rgb(90, 255,  
241) }
```

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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