

Converting Colors

XYZ(55.6656, 57.8419, 80.1831)

Have a look what the booklet for
XYZ(55.6656, 57.8419, 80.1831)
contains.

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Color

**XYZ(55.6169, 57.7467,
80.1664)**

Conversions

Conversions Part 1

Format	Color
Hex	BEC8E2
RGB	190, 200, 226
RGB Percent	75%, 78%, 89%
CMY	0.2549, 0.2157, 0.1137
CMYK	0.16, 0.12, 0.00, 0.11
HSL	223°, 38%, 82%
HSV	223°, 16%, 89%
XYZ	55.6169, 57.7467, 80.1664
YIQ	199.9740, -14.3060, 5.9660

Conversions

Conversions Part 2

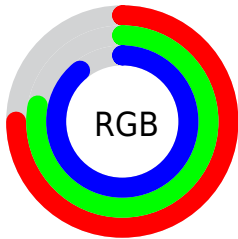
Format	Color
R_{YB}	190, 198, 226
Decimal	12503266
CIE _{Lab}	80.60, 1.84, -14.05
CIE _{LCh}	81, 14.168, 277.457
Yxy	57.7467, 0.2874, 0.2984
Android (android.graphics.Color)	4290693346 (0xFFBEC8E2)
YUV	199.9740, 12.8308, -8.7472
Hunter-Lab	75.9912, -2.3431, -9.3537

Details

The XYZ color **55.6169, 57.7467, 80.1664** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **65.2144, 68.9978, 58.5970**, and the grayscale version is **54.8149, 57.6696, 62.8022**.

A 20% lighter version of the original color is **92.1678, 98.5142, 108.7651**, and **27.7829, 28.7323, 42.6096** is the 20% darker color. If you saturate the color by 10%, you get **46.8239, 47.9002, 78.7302**, and if you desaturate by 10%, it is **65.6922, 68.8562, 81.7807**.

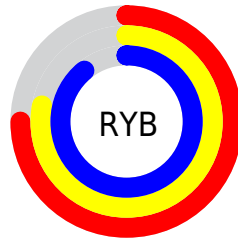
Distribution



Red (75%)

Green (78%)

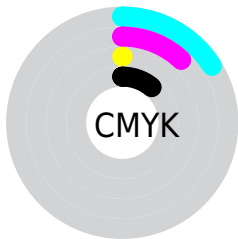
Blue (89%)



Red (75%)

Yellow (78%)

Blue (89%)

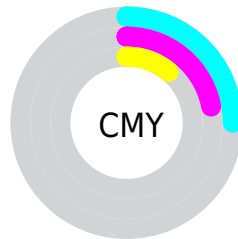


Cyan (16%)

Magenta (12%)

Yellow (0%)

Black (11%)



Cyan (25%)

Magenta (22%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.6169, 57.7467, 80.1664 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 55.6169, 57.7467, 80.1664 by changing the saturation by 10% instead.

■ 55.6169, 57.7467,
80.1664

■ 55.6169, 57.7467,
80.1664

398.3446,
416.2414, 515.2150

■ 40.1316, 41.6050,
59.3283

■ 97.5873, 101.5539,
135.4132

■ 27.8259, 28.7922,
42.4557

124.8031,
129.9882, 170.6589

■ 18.3342, 18.9236,
29.1301

156.6599,
163.2889, 211.5443

■ 11.2913, 11.6151,
18.9328

193.5229,
201.8404, 258.4879

■ 6.3319, 6.4822,
11.4454

235.7575,
246.0269, 311.9083

■ 3.0905, 3.1404,
6.2493

283.7291,

■ 1.2018, 1.2055,

296.2330, 372.2239

2.9261

337.8030,
352.8431, 439.8532

■ 0.1078, 0.0662,
1.0570

■ 0.0000, 0.0000,
0.0000

■ 55.6169, 57.7467,
80.1664

■ 55.6169, 57.7467,
80.1664

■ 46.8239, 47.9002,
78.7302

■ 65.6922, 68.8562,
81.7807

■ 39.2551, 39.2635,
77.4621

■ 77.0941, 81.2651,
83.5749

■ 32.8557, 31.7903,
76.3569

■ 88.8329, 94.4816,
85.5072

■ 27.5644, 25.4282,
75.4078

■ 90.7276, 98.2711,
86.1388

■ 23.3141, 20.1205,
74.6073

■ 20.0299, 15.8051,
73.9474

■ 17.6258, 12.4123,
73.4193

■ 15.9981, 9.8610,
73.0126

■ 15.4938, 9.0234,
72.8775

Harmonies

Analogous

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



52.7664, 57.7467, 78.8912



55.6169, 57.7467, 80.1664



58.3650, 57.7467, 76.4933

Triad

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



55.6169, 57.7467, 80.1664



59.4553, 57.7467, 53.6138



49.8727, 57.7467, 56.9232

Complementary

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



55.6169, 57.7467, 80.1664



65.2144, 68.9978, 58.5970

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.



51.5491, 57.7467, 50.9796



55.6169, 57.7467, 80.1664



57.0626, 57.7467, 49.1902

Square

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



55.6169, 57.7467, 80.1664



60.6315, 57.7467, 60.8167



54.1625, 57.7467, 48.2703



49.5164, 57.7467, 64.9820

Rectangle

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



55.6169, 57.7467, 80.1664



59.7464, 57.7467, 71.9090



54.1625, 57.7467, 48.2703



50.2976, 57.7467, 54.6337

Sweetspot

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



55.6186, 57.7491, 80.1677



87.6466, 91.9270, 107.7320



60.8014, 70.2884, 75.1937



18.5449, 19.4408, 23.0250



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.



55.6186, 57.7491, 80.1677



69.2529, 71.6134, 104.7805



55.3780, 54.2976, 79.5142



13.2605, 13.8601, 17.3641



8.9252, 5.3199, 41.6048



0.6927, 0.5169, 2.9085

Inverse Universe

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



60.2042, 57.1670, 62.5076



76.3638, 70.8358, 77.3664



65.4649, 73.0477, 59.3655



13.8630, 13.7628, 15.0485



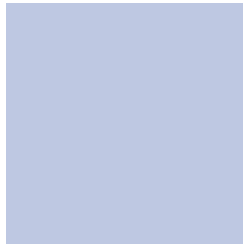
18.4452, 9.4451, 3.7443



1.3159, 0.6696, 0.4565

Previews

White Background



This preview shows how the XYZ color 55.6169, 57.7467, 80.1664 looks on a white background.

Color Contrast Check

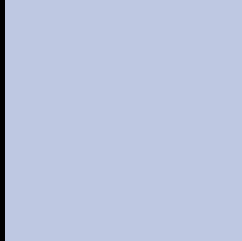
Large Text (above 18pt) WCAG AA × Fail

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 55.6169, 57.7467, 80.1664 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

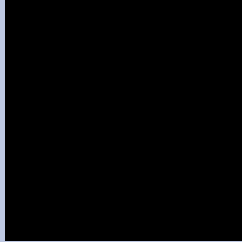
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.6169, 57.7467, 80.1664

Background



This preview shows how black text looks on a background with the XYZ color 55.6169, 57.7467, 80.1664.



This preview shows how white text looks on a background with the XYZ color 55.6169, 57.7467,

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

55.6169, 57.7467, 80.1664

Protanopia

56.5496, 57.5602, 79.3639

Deuteranopia

58.8338, 57.6981, 80.7090



Tritanopia

54.1501, 57.4744, 73.8853

Trichromacy



Original Color

55.6169, 57.7467, 80.1664

Protanomaly

56.2622, 57.7524, 79.4162

Deuteranomaly

57.6508, 57.7579, 80.7829

Tritanomaly

54.7912, 57.7594, 75.9710

Monochromacy



Original Color

55.6169, 57.7467, 80.1664

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

54.9279, 57.6478, 68.5537

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.6169, 57.7467, 80.1664 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(190, 200, 226)` looks like.

```
.text, #text, p{  
    color:rgb(190, 200, 226)  
}
```

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(190, 200, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 200, 226) }
```

Border

The CSS property to change the border of an element to XYZ 55.6169, 57.7467, 80.1664 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(190, 200, 226) }
```


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

```
.border{ border-color:rgb(190, 200, 226) }
```

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

Here you see how a box with a 4 pixel rgb(190, 200, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 200, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 200, 226);  
box-shadow:4px 4px 4px 4px rgb(190, 200,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 55.6169, 57.7467, 80.1664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 200, 226) }
```

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

```
.background{ background-color: rgb(190,  
200, 226) }
```

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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