

Converting Colors

XYZ(55.2322, 51.0854, 80.3500)

Have a look what the booklet for
XYZ(55.2322, 51.0854, 80.3500)
contains.

| | |
|--|----|
| XYZ(55.2267, 51.0813, 80.3477) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(55.2267, 51.0813,
80.3477)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | CCB4E4 |
| RGB | 204, 180, 228 |
| RGB Percent | 80%, 71%, 89% |
| CMY | 0.2000, 0.2941, 0.1059 |
| CMYK | 0.11, 0.21, 0.00, 0.11 |
| HSL | 270°, 47%, 80% |
| HSV | 270°, 21%, 89% |
| XYZ | 55.2267, 51.0813, 80.3477 |
| YIQ | 192.6480, -1.1040, 20.0160 |

Conversions

Conversions Part 2

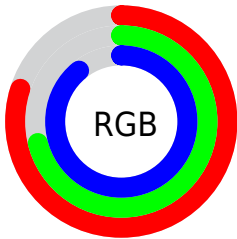
| Format | Color |
|-------------------------------------|--|
| RYB | 204, 180, 228 |
| Decimal | 13415652 |
| CIELab | 76.73, 17.54, -20.86 |
| CIELCh | 77, 27.249, 310.061 |
| Yxy | 51.0813, 0.2959, 0.2737 |
| Android (android.graphics.Color) | 4291605732 (0xFFCCB4E4) |
| YUV | 192.6480, 17.4285, 9.9557 |
| Hunter-Lab | 71.4712, 12.8547, -16.6238 |

Details

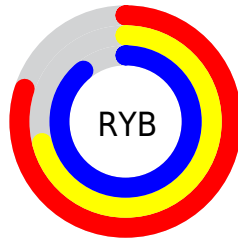
The XYZ color **55.2267, 51.0813, 80.3477** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **60.8851, 71.6207, 53.7976**, and the grayscale version is **50.3849, 53.0088, 57.7266**.

A 20% lighter version of the original color is **89.2855, 88.4709, 106.9785**, and **27.4302, 24.5469, 42.3220** is the 20% darker color. If you saturate the color by 10%, you get **47.9862, 41.0698, 78.7977**, and if you desaturate by 10%, it is **63.4562, 62.7292, 82.1630**.

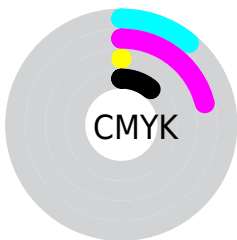
Distribution



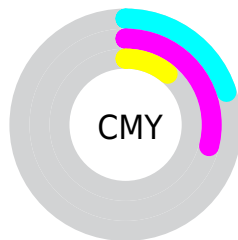
- Red (80%)
- Green (71%)
- Blue (89%)



- Red (80%)
- Yellow (71%)
- Blue (89%)



- Cyan (11%)
- Magenta (21%)
- Yellow (0%)
- Black (11%)



- Cyan (20%)
- Magenta (29%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.2267, 51.0813, 80.3477 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 55.2267, 51.0813, 80.3477 by changing the saturation by 10% instead.

■ 55.2267, 51.0813,
80.3477

■ 55.2267, 51.0813,
80.3477

396.8931,
390.8796, 515.8415

■ 39.8178, 36.2733,
59.4767

■ 97.0194, 91.7749,
135.6703

■ 27.5801, 24.6454,
42.5744

124.1340,
118.4294, 170.9589

■ 18.1482, 15.8130,
29.2224

155.8811,
149.8014, 211.8905

■ 11.1568, 9.3919,
19.0021

192.6262,
186.2755, 258.8835

■ 6.2405, 4.9977,
11.4950

234.7346,
228.2359, 312.3566

■ 3.0339, 2.2459,
6.2825

282.5716,

■ 1.1717, 0.7449,

276.0672, 372.7283

2.9460

336.5027,
330.1536, 440.4171

■ 0.0839, 0.0000,
1.0671

■ 0.0000, 0.0000,
0.0000

■ 55.2267, 51.0813,
80.3477

■ 55.2267, 51.0813,
80.3477

■ 47.9862, 41.0698,
78.7977

■ 63.4562, 62.7292,
82.1630

■ 41.6881, 32.6117,
77.4971

■ 72.7091, 76.0783,
84.2520

■ 36.2889, 25.6265,
76.4334

■ 83.0239, 91.1978,
86.6267

■ 31.7393, 20.0235,
75.5916

■ 89.0462, 97.3723,
87.5011

■ 27.9848, 15.7014,
74.9553

■ 91.0037, 98.3815,
87.5927

■ 24.9635, 12.5449,
74.5053

■ 22.6021, 10.4161,
74.2188

■ 20.9428, 9.1787,
74.0674

Harmonies

Analogous

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



50.3067, 51.0813, 88.5824



55.2267, 51.0813, 80.3477



58.4970, 51.0813, 65.8919

Triad

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



55.2267, 51.0813, 80.3477



52.0170, 51.0813, 32.9394



39.4156, 51.0813, 60.7362

Complementary

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



55.2267, 51.0813, 80.3477



60.8851, 71.6207, 53.7976

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.



39.8020, 51.0813, 46.4733



55.2267, 51.0813, 80.3477



46.8371, 51.0813, 32.0536

Square

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



55.2267, 51.0813, 80.3477



56.5548, 51.0813, 39.2500



42.4366, 51.0813, 36.5687



41.3408, 51.0813, 76.0032

Rectangle

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



55.2267, 51.0813, 80.3477



59.1736, 51.0813, 55.5888



42.4366, 51.0813, 36.5687



39.2828, 51.0813, 55.6489

Sweetspot

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



55.2283, 51.0834, 80.3488



87.6031, 89.2015, 107.2082



54.6113, 58.8736, 81.8850



18.5835, 18.8518, 22.9093



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.



55.2283, 51.0834, 80.3488



67.2050, 60.2984, 102.7044



62.0679, 54.6094, 80.6689



14.2660, 14.2393, 18.1409



12.2298, 5.3706, 42.7752



1.0109, 0.4521, 3.1660

Inverse Universe

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



59.2169, 53.4982, 64.3340



73.2616, 63.9652, 78.3863



54.9926, 68.5830, 53.5218



14.6760, 14.4876, 16.4944



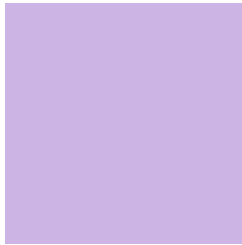
20.2888, 10.2498, 10.4159



1.5462, 0.7762, 1.0166

Previews

White Background



This preview shows how the XYZ color 55.2267, 51.0813, 80.3477 looks on a white background.

Color Contrast Check

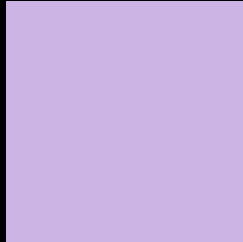
Large Text (above 18pt) WCAG AA × Fail

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 55.2267, 51.0813, 80.3477 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 55.2267, 51.0813, 80.3477

Background



This preview shows how black text looks on a background with the XYZ color 55.2267, 51.0813, 80.3477.



This preview shows how white text looks on a background with the XYZ color 55.2267, 51.0813,

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

55.2267, 51.0813, 80.3477

Protanopia

51.2816, 51.4333, 84.3156

Deuteranopia

52.2004, 51.0628, 79.7779



Tritanopia

51.3275, 51.0102, 61.7843

Trichromacy



Original Color

55.2267, 51.0813, 80.3477

Protanomaly

52.5118, 51.1588, 82.7083

Deuteranomaly

53.0467, 50.8824, 79.6985

Tritanomaly

52.6537, 50.9376, 68.0296

Monochromacy



Original Color

55.2267, 51.0813, 80.3477

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

52.1498, 52.2930, 65.7375

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.2267, 51.0813, 80.3477 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(204, 180, 228)` looks like.

```
.text, #text, p{  
    color:rgb(204, 180, 228)  
}
```

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(204, 180, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 180, 228) }
```

Border

The CSS property to change the border of an element to XYZ 55.2267, 51.0813, 80.3477 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(204, 180, 228) }
```


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

```
.border{ border-color:rgb(204, 180, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 180, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 180, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 180, 228);  
box-shadow:4px 4px 4px 4px rgb(204, 180,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 55.2267, 51.0813, 80.3477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 180, 228) }
```

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

```
.background{ background-color: rgb(204,  
180, 228) }
```

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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