

Converting Colors

XYZ(55.2445, 56.5654, 86.1336)

Have a look what the booklet for
XYZ(55.2445, 56.5654, 86.1336)
contains.

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Color

**XYZ(55.2951, 56.7678,
85.8848)**

Conversions

Conversions Part 1

Format	Color
Hex	BAC6EA
RGB	186, 198, 234
RGB Percent	73%, 78%, 92%
CMY	0.2706, 0.2235, 0.0823
CMYK	0.21, 0.15, 0.00, 0.08
HSL	225°, 53%, 82%
HSV	225°, 21%, 92%
XYZ	55.2951, 56.7678, 85.8848
YIQ	198.5160, -18.7080, 8.6520

Conversions

Conversions Part 2

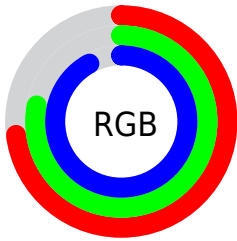
Format	Color
R _{YB}	186, 196, 234
Decimal	12240618
CIE Lab	80.05, 3.40, -19.19
CIE LCh	80, 19.488, 280.038
Yxy	56.7678, 0.2793, 0.2868
Android (android.graphics.Color)	4290430698 (0xFFBAC6EA)
YUV	198.5160, 17.4936, -10.9765
Hunter-Lab	75.3444, -0.8519, -14.8434

Details

The XYZ color **55.2951, 56.7678, 85.8848** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **68.9165, 73.2803, 56.9681**, and the grayscale version is **53.8969, 56.7037, 61.7504**.

A 20% lighter version of the original color is **90.7721, 97.7947, 108.6998**, and **27.5249, 28.0664, 46.0861** is the 20% darker color. If you saturate the color by 10%, you get **46.2877, 46.5118, 84.3809**, and if you desaturate by 10%, it is **65.7017, 68.4379, 87.5898**.

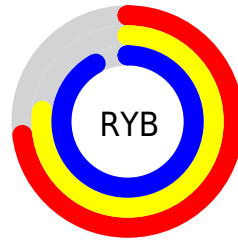
Distribution



Red (73%)

Green (78%)

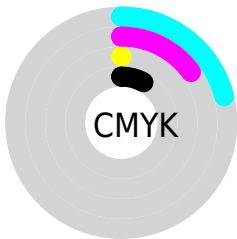
Blue (92%)



Red (73%)

Yellow (77%)

Blue (92%)

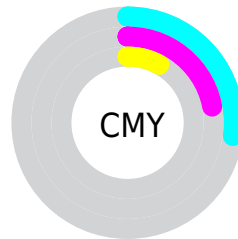


Cyan (21%)

Magenta (15%)

Yellow (0%)

Black (8%)



Cyan (27%)

Magenta (22%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.2951, 56.7678, 85.8848 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 55.2951, 56.7678, 85.8848 by changing the saturation by 10% instead.

■ 55.2951, 56.7678,
85.8848

■ 55.2951, 56.7678,
85.8848

397.1478,
412.5787, 534.7720

■ 39.8728, 40.8188,
64.0184

■ 97.1190, 100.1263,
143.4938

■ 27.6232, 28.1776,
46.2193

124.2513,
128.3046, 180.0735

■ 18.1808, 18.4596,
32.0690

156.0177,
161.3282, 222.3947

■ 11.1803, 11.2804,
21.1489

192.7835,
199.5814, 270.8759

■ 6.2565, 6.2558,
13.0406

234.9140,
243.4487, 325.9357

■ 3.0438, 3.0012,
7.3255

282.7747,

■ 1.1770, 1.1324,

293.3144, 387.9927

3.5849

336.7308,
349.5629, 457.4652

■ 0.0881, 0.0054,
1.4005

■ 0.0000, 0.0000,
0.1421

■ 55.2951, 56.7678,
85.8848

■ 55.2951, 56.7678,
85.8848

■ 46.2877, 46.5118,
84.3809

■ 65.7017, 68.4379,
87.5898

■ 38.6132, 37.6080,
83.0667

■ 77.5594, 81.5670,
89.4990

■ 32.2077, 30.0000,
81.9359

■ 90.4799, 95.9776,
91.5995

■ 26.9995, 23.6248,
80.9798

■ 91.8515, 98.7206,
92.0567

■ 22.9097, 18.4136,
80.1895

■ 19.8492, 14.2900,
79.5549

■ 17.7137, 11.1673,
79.0647

■ 16.3903, 9.0183,
78.7197

Harmonies

Analogous

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



51.3963, 56.7678, 84.6739



55.2951, 56.7678, 85.8848



59.0077, 56.7678, 80.0685

Triad

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



55.2951, 56.7678, 85.8848



60.0026, 56.7678, 48.8084



47.1065, 56.7678, 54.6557

Complementary

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



55.2951, 56.7678, 85.8848



68.9165, 73.2803, 56.9681

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.



49.2014, 56.7678, 46.5632



55.2951, 56.7678, 85.8848



56.5995, 56.7678, 43.4846

Square

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



55.2951, 56.7678, 85.8848



61.8123, 56.7678, 58.0844



52.6389, 56.7678, 42.7163



46.7955, 56.7678, 65.6926

Rectangle

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



55.2951, 56.7678, 85.8848



60.8303, 56.7678, 73.3622



52.6389, 56.7678, 42.7163



47.6203, 56.7678, 51.5399

Sweetspot

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



55.2969, 56.7701, 85.8861



86.0915, 90.1090, 107.4630



62.7516, 74.5170, 79.6234



18.2269, 19.0651, 22.9692



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.



55.2969, 56.7701, 85.8861



61.9577, 63.0466, 103.5114



55.4899, 52.9572, 85.1399



14.5372, 15.1608, 19.0824



9.2943, 5.2357, 44.2637



0.8043, 0.5600, 3.5006

Inverse Universe

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



61.6851, 56.6890, 61.1195



71.2111, 63.1450, 67.5883



68.6567, 78.0481, 57.9021



15.2200, 15.1158, 16.4436



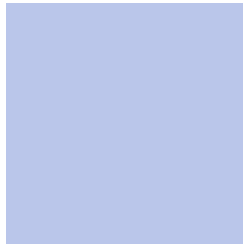
19.5466, 10.0213, 3.4140



1.5725, 0.8019, 0.4660

Previews

White Background



This preview shows how the XYZ color 55.2951, 56.7678, 85.8848 looks on a white background.

Color Contrast Check

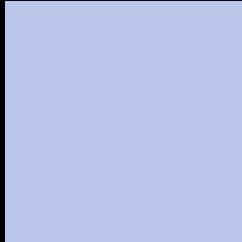
Large Text (above 18pt) WCAG AA × Fail

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 55.2951, 56.7678, 85.8848 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

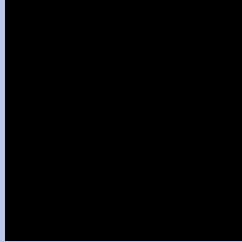
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.2951, 56.7678, 85.8848

Background



This preview shows how black text looks on a background with the XYZ color 55.2951, 56.7678, 85.8848.



This preview shows how white text looks on a background with the XYZ color 55.2951, 56.7678,

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

55.2951, 56.7678, 85.8848

Protanopia

56.1601, 56.8921, 85.1121

Deuteranopia

58.1066, 56.8611, 86.5100



Tritanopia

52.9395, 56.8503, 73.8286

Trichromacy



Original Color

55.2951, 56.7678, 85.8848

Protanomaly

55.6605, 56.6345, 85.0887

Deuteranomaly

57.0162, 56.6305, 86.5230

Tritanomaly

53.7407, 56.8266, 77.9482

Monochromacy



Original Color

55.2951, 56.7678, 85.8848

Achromatopsia

54.2854, 57.1125, 62.1955

Achromatomaly

54.5552, 57.0696, 70.4275

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.2951, 56.7678, 85.8848 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(186, 198, 234)` looks like.

```
.text, #text, p{  
    color:rgb(186, 198, 234)  
}
```

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(186, 198, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 198, 234) }
```

Border

The CSS property to change the border of an element to XYZ 55.2951, 56.7678, 85.8848 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(186, 198, 234) }
```


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

```
.border{ border-color:rgb(186, 198, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 198, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 198, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 198, 234);  
box-shadow:4px 4px 4px 4px rgb(186, 198,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 55.2951, 56.7678, 85.8848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 198, 234) }
```

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

```
.background{ background-color: rgb(186,  
198, 234) }
```

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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