

Converting Colors

XYZ(52.8976, 55.7799, 84.3598)

Have a look what the booklet for
XYZ(52.8976, 55.7799, 84.3598)
contains.

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Color

**XYZ(52.8934, 55.9031,
84.3465)**

Conversions

Conversions Part 1

Format	Color
Hex	B0C7E8
RGB	176, 199, 232
RGB Percent	69%, 78%, 91%
CMY	0.3098, 0.2196, 0.0902
CMYK	0.24, 0.14, 0.00, 0.09
HSL	215°, 55%, 80%
HSV	215°, 24%, 91%
XYZ	52.8934, 55.9031, 84.3465
YIQ	195.8850, -24.3010, 5.3870

Conversions

Conversions Part 2

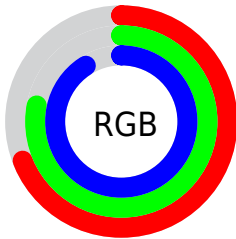
Format	Color
R_{YB}	176, 192, 232
Decimal	11585512
CIE _{Lab}	79.56, -0.62, -18.93
CIE _{LCh}	80, 18.936, 268.114
Yxy	55.9031, 0.2739, 0.2894
Android (android.graphics.Color)	4289775592 (0xFFB0C7E8)
YUV	195.8850, 17.8047, -17.4391
Hunter-Lab	74.7684, -4.5684, -14.5474

Details

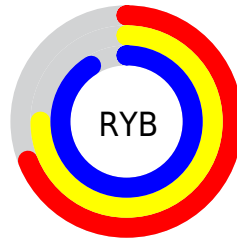
The XYZ color **52.8934, 55.9031, 84.3465** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **63.9164, 65.8917, 50.4254**, and the grayscale version is **52.3089, 55.0331, 59.9310**.

A 20% lighter version of the original color is **87.0887, 95.8958, 108.5274**, and **25.9879, 27.5230, 45.0170** is the 20% darker color. If you saturate the color by 10%, you get **45.0841, 47.4169, 83.1210**, and if you desaturate by 10%, it is **61.8853, 65.4212, 85.7107**.

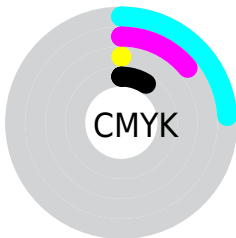
Distribution



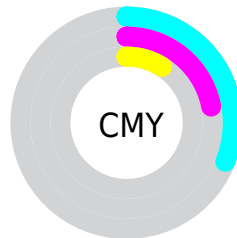
- Red (69%)
- Green (78%)
- Blue (91%)



- Red (69%)
- Yellow (75%)
- Blue (91%)



- Cyan (24%)
- Magenta (14%)
- Yellow (0%)
- Black (9%)



- Cyan (31%)
- Magenta (22%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.8934, 55.9031, 84.3465 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 52.8934, 55.9031, 84.3465 by changing the saturation by 10% instead.

■ 52.8934, 55.9031,
84.3465

■ 52.8934, 55.9031,
84.3465

388.1436,
409.3262, 529.5513

■ 37.9448, 40.1252,
62.7545

■ 93.6139, 98.8629,
141.3258

■ 26.1169, 27.6362,
45.2029

120.1166,
126.8136, 177.5502

■ 17.0442, 18.0516,
31.2732

151.2013,
159.5907, 219.4892

■ 10.3615, 10.9870,
20.5467

187.2335,
197.5786, 267.5613

■ 5.7034, 6.0581,
12.6051

228.5785,
241.1618, 322.1849

■ 2.7045, 2.8805,
7.0297

275.6016,

■ 0.9995, 1.0696,

290.7245, 383.7788

3.4019

328.6681,
346.6511, 452.7614

■ 0.0000, 0.0000,
1.3033

■ 0.0000, 0.0000,
0.0645

■ 52.8934, 55.9031,
84.3465

■ 52.8934, 55.9031,
84.3465

■ 45.0841, 47.4169,
83.1210

■ 61.8853, 65.4212,
85.7107

■ 38.3991, 39.9174,
82.0258

■ 72.1039, 76.0004,
87.2141

■ 32.7829, 33.3660,
81.0573

■ 83.5975, 87.6772,
88.8622

■ 28.1727, 27.7183,
80.2101

■ 91.1482, 97.7714,
90.4126

■ 24.4986, 22.9257,
79.4787

■ 91.5657, 98.6063,
90.5517

■ 21.6804, 18.9337,
78.8567

■ 19.6216, 15.6784,
78.3369

■ 18.6843, 14.0636,
78.0746

Harmonies

Analogous

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



49.3565, 55.9031, 80.4848



52.8934, 55.9031, 84.3465



56.6628, 55.9031, 81.3198

Triad

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



52.8934, 55.9031, 84.3465



59.8633, 55.9031, 51.5052



47.1516, 55.9031, 50.4423

Complementary

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



52.8934, 55.9031, 84.3465



63.9164, 65.8917, 50.4254

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.



49.7553, 55.9031, 44.1711



52.8934, 55.9031, 84.3465



57.0999, 55.9031, 44.7312

Square

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



52.8934, 55.9031, 84.3465



60.8000, 55.9031, 61.5623



53.3758, 55.9031, 42.2104



46.1414, 55.9031, 60.1808

Rectangle

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



52.8934, 55.9031, 84.3465



58.7787, 55.9031, 75.9838



53.3758, 55.9031, 42.2104



47.8632, 55.9031, 47.9046

Sweetspot

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



52.8951, 55.9054, 84.3478



85.5210, 90.2421, 107.5188



58.2297, 71.5314, 70.8446



18.1370, 19.1421, 22.9888



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.



52.8951, 55.9054, 84.3478



60.5177, 63.8496, 103.7423



49.0702, 46.6619, 82.7652



14.0666, 14.8546, 18.2702



10.4897, 8.0415, 43.3825



0.8648, 0.7734, 3.2357

Inverse Universe

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



59.1143, 52.3315, 61.0205



69.5852, 59.0526, 69.6382



68.4779, 77.2340, 52.3743



14.6212, 14.4657, 16.2056



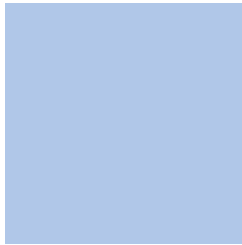
19.6882, 10.0095, 7.2531



1.5001, 0.7578, 0.7741

Previews

White Background



This preview shows how the XYZ color 52.8934, 55.9031, 84.3465 looks on a white background.

Color Contrast Check

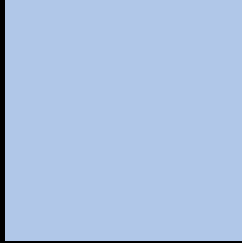
Large Text (above 18pt) WCAG AA × Fail

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 52.8934, 55.9031, 84.3465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

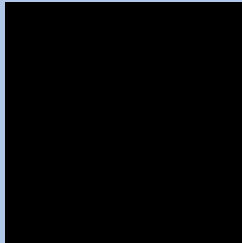
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

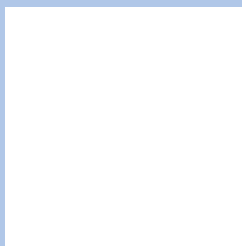
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.8934, 55.9031, 84.3465

Background



This preview shows how black text looks on a background with the XYZ color 52.8934, 55.9031, 84.3465.



This preview shows how white text looks on a background with the XYZ color 52.8934, 55.9031,

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

52.8934, 55.9031, 84.3465

Protanopia

54.8932, 55.6345, 81.9741

Deuteranopia

56.8463, 55.5882, 84.8243



Tritanopia

50.7751, 55.7195, 74.4085

Trichromacy



Original Color

52.8934, 55.9031, 84.3465

Protanomaly

54.0304, 55.5073, 82.7292

Deuteranomaly

55.4583, 55.8606, 84.9500

Tritanomaly

51.4291, 55.6349, 77.8400

Monochromacy



Original Color

52.8934, 55.9031, 84.3465

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

52.4611, 55.3548, 68.2411

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.8934, 55.9031, 84.3465 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(176, 199, 232)` looks like.

```
.text, #text, p{  
    color:rgb(176, 199, 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(176, 199, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 199, 232) }
```

Border

The CSS property to change the border of an element to XYZ 52.8934, 55.9031, 84.3465 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(176, 199, 232) }
```


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

```
.border{ border-color:rgb(176, 199, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 199, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 199, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 199, 232);  
box-shadow:4px 4px 4px 4px rgb(176, 199,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 52.8934, 55.9031, 84.3465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 199, 232) }
```

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

```
.background{ background-color: rgb(176,  
199, 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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