

Converting Colors

XYZ(52.3177, 59.3454, 35.3180)

Have a look what the booklet for
XYZ(52.3177, 59.3454, 35.3180)
contains.

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Color

**XYZ(52.3255, 59.5074,
35.5163)**

Conversions

Conversions Part 1

Format	Color
Hex	CCCCF91
RGB	204, 207, 145
RGB Percent	80%, 81%, 57%
CMY	0.2000, 0.1882, 0.4314
CMYK	0.01, 0.00, 0.30, 0.19
HSL	63°, 39%, 69%
HSV	63°, 30%, 81%
XYZ	52.3255, 59.5074, 35.5163
YIQ	199.0350, 18.1140, -19.9180

Conversions

Conversions Part 2

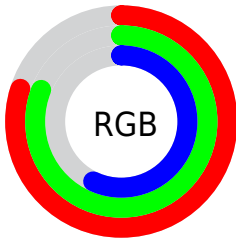
Format	Color
RYB	145, 207, 148
Decimal	13422481
CIELab	81.57, -10.77, 30.55
CIELCh	82, 32.392, 109.418
Yxy	59.5074, 0.3551, 0.4039
Android (android.graphics.Color)	4291612561 (0xFFCCCCF91)
YUV	199.0350, -26.6393, 4.3543
Hunter-Lab	77.1410, -13.9186, 26.7012

Details

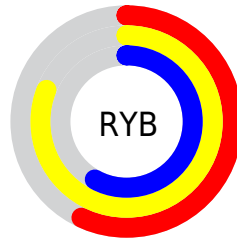
The XYZ color **52.3255, 59.5074, 35.5163** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **33.6029, 31.0533, 63.2578**, and the grayscale version is **54.4589, 57.2951, 62.3943**.

A 20% lighter version of the original color is **87.3088, 96.9035, 68.1354**, and **25.8060, 29.9802, 15.0163** is the 20% darker color. If you saturate the color by 10%, you get **50.5991, 58.7872, 27.8491**, and if you desaturate by 10%, it is **54.3476, 60.3502, 44.7178**.

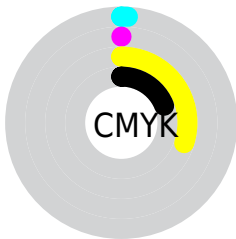
Distribution



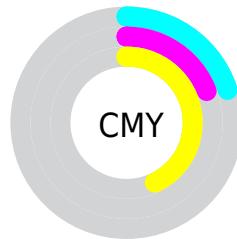
- Red (80%)
- Green (81%)
- Blue (57%)



- Red (57%)
- Yellow (81%)
- Blue (58%)



- Cyan (1%)
- Magenta (0%)
- Yellow (30%)
- Black (19%)





- Cyan (20%)
- Magenta (19%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.3255, 59.5074, 35.5163 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 52.3255, 59.5074, 35.5163 by changing the saturation by 10% instead.


 52.3255, 59.5074,
35.5163


 52.3255, 59.5074,
35.5163


385.9953,
422.7797, 341.8147

 37.4899, 43.0217,
23.7741


 92.7825, 104.1148,
69.4454

 25.7624, 29.9021,
14.9555


 119.1346,
133.0052, 92.4695

 16.7778, 19.7643,
8.6419


150.0563,
166.7994, 120.0913

 10.1705, 12.2238,
4.4147

185.9128,
205.8816, 152.7293

 5.5753, 6.8963,
1.8555

227.0697,
250.6364, 190.8021

 2.6268, 3.3973,
0.4642

273.8921,

 0.9596, 1.3425,

301.4481, 234.7282

0.0000

326.7455,
358.7010, 284.9262

■ 0.0000, 0.1738,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 52.3255, 59.5074,
35.5163

■ 52.3255, 59.5074,
35.5163

■ 50.5991, 58.7872,
27.8491

■ 54.3476, 60.3502,
44.7178

■ 49.1479, 58.1753,
21.6293


■ 56.6755, 61.3134,
55.5269


■ 47.9563, 57.6674,
16.7668


■ 59.3243, 62.4052,
68.0167

■ 47.0050, 57.2558,
13.1603


■ 62.3068, 63.6307,
82.2544


 46.2719, 56.9317,
10.6939


 65.6352, 64.9948,
98.3040


 45.7311, 56.6847,
9.2307


 66.9483, 65.5529,
103.7322

 45.3345, 56.4957,
8.5182

 67.2349, 65.7007,
103.7456

 45.3327, 56.4948,
8.5153

 67.5233, 65.8494,
103.7591

 67.8135, 65.9990,
103.7727

Harmonies

Analogous

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



58.9942, 59.5074, 34.5261



52.3255, 59.5074, 35.5163



47.2038, 59.5074, 43.3674

Triad

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



52.3255, 59.5074, 35.5163



48.4770, 59.5074, 97.5789



70.4038, 59.5074, 71.9130

Complementary

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



52.3255, 59.5074, 35.5163



33.6029, 31.0533, 63.2578

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.



67.0774, 59.5074, 92.3194



52.3255, 59.5074, 35.5163



54.1937, 59.5074, 108.9885

Square

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



52.3255, 59.5074, 35.5163



45.1081, 59.5074, 78.0502



61.0170, 59.5074, 106.8914



69.8026, 59.5074, 53.1298

Rectangle

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



52.3255, 59.5074, 35.5163



45.1863, 59.5074, 52.5060



61.0170, 59.5074, 106.8914



69.6981, 59.5074, 78.8623

Sweetspot

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



52.3270, 59.5101, 35.5176



91.1645, 98.3987, 90.5691



41.2891, 36.1994, 31.5999



19.3872, 21.0094, 18.7968



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.



52.3270, 59.5101, 35.5176



82.0107, 94.5973, 48.6811



44.8667, 55.6641, 35.1684



12.7444, 13.7672, 12.5977



28.5838, 35.6044, 5.3658



1.6160, 2.0000, 0.3009

Inverse Universe

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



33.6029, 31.0533, 63.2578



47.2567, 41.7719, 100.1798



39.7651, 34.2300, 63.5462



11.2159, 11.4446, 14.8615



7.1980, 2.8910, 37.3711



0.4215, 0.1715, 2.0904

Previews

White Background



This preview shows how the XYZ color 52.3255, 59.5074, 35.5163 looks on a white background.

Color Contrast Check

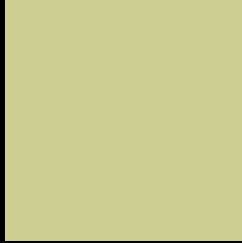
Large Text (above 18pt) WCAG AA × Fail

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 52.3255, 59.5074, 35.5163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

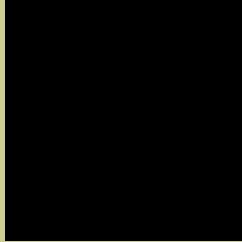
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

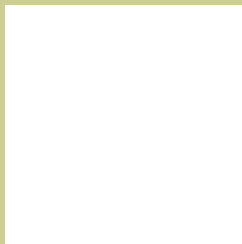
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.3255, 59.5074, 35.5163

Background



This preview shows how black text looks on a background with the XYZ color 52.3255, 59.5074, 35.5163.



This preview shows how white text looks on a background with the XYZ color 52.3255, 59.5074,

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

52.3255, 59.5074, 35.5163

Protanopia

54.9919, 59.1297, 34.5014

Deuteranopia

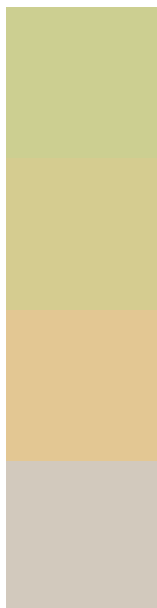
60.5723, 59.2470, 36.2603



Tritanopia

59.7723, 59.3893, 71.9313

Trichromacy



Original Color

52.3255, 59.5074, 35.5163

Protanomaly

54.0675, 59.3455, 34.9907

Deuteranomaly

57.3684, 59.2843, 36.0231

Tritanomaly

56.6503, 59.1490, 56.5752

Monochromacy



Original Color

52.3255, 59.5074, 35.5163

Achromatopsia

54.2854, 57.1125, 62.1955

Achromatomaly

53.3446, 57.9132, 51.0146

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.3255, 59.5074, 35.5163 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, 207, 145)` looks like.

```
.text, #text, p{  
    color:rgb(204, 207, 145)  
}
```

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, 207, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 207, 145) }
```

Border

The CSS property to change the border of an element to XYZ 52.3255, 59.5074, 35.5163 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, 207, 145) }
```


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

```
.border{ border-color:rgb(204, 207, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 207, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 207, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 207, 145);  
box-shadow:4px 4px 4px 4px rgb(204, 207,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 52.3255, 59.5074, 35.5163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 207, 145) }
```

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

```
.background{ background-color: rgb(204,  
207, 145) }
```

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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