

Converting Colors

XYZ(56.8696, 76.5733, 16.5575)

Have a look what the booklet for
XYZ(56.8696, 76.5733, 16.5575)
contains.

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Color

**XYZ(57.0352, 76.8776,
16.5354)**

Conversions

Conversions Part 1

Format	Color
Hex	C9F33F
RGB	201, 243, 63
RGB Percent	79%, 95%, 25%
CMY	0.2118, 0.0470, 0.7529
CMYK	0.17, 0.00, 0.74, 0.05
HSL	74°, 88%, 60%
HSV	74°, 74%, 95%
XYZ	57.0352, 76.8776, 16.5354
YIQ	209.9220, 32.7480, -64.8840

Conversions

Conversions Part 2

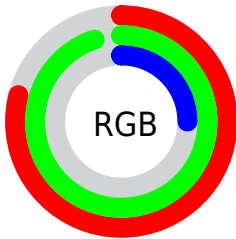
Format	Color
RYB	63, 243, 105
Decimal	13235007
CIELab	90.27, -36.31, 76.51
CIElCh	90, 84.689, 115.385
Yxy	76.8776, 0.3791, 0.5110
Android (android.graphics.Color)	4291425087 (0xFFC9F33F)
YUV	209.9220, -72.4325, -7.8246
Hunter-Lab	87.6799, -37.3267, 50.1945

Details

The XYZ color **57.0352, 76.8776, 16.5354** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **23.7837, 13.0313, 86.0604**, and the grayscale version is **61.6550, 64.8658, 70.6389**.

A 20% lighter version of the original color is **80.5752, 94.2101, 32.6765**, and **29.0980, 41.3803, 6.4536** is the 20% darker color. If you saturate the color by 10%, you get **55.0043, 75.8951, 13.6442**, and if you desaturate by 10%, it is **59.4254, 78.0158, 21.0094**.

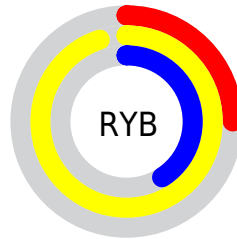
Distribution



Red (79%)

Green (95%)

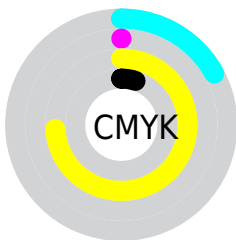
Blue (25%)



Red (25%)

Yellow (95%)

Blue (41%)

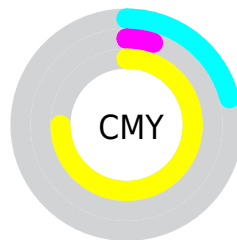


Cyan (17%)

Magenta (0%)

Yellow (74%)

Black (5%)



Cyan (21%)

Magenta (5%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 57.0352, 76.8776, 16.5354 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 57.0352, 76.8776, 16.5354 by changing the saturation by 10% instead.

■ 57.0352, 76.8776,
16.5354

■ 57.0352, 76.8776,
16.5354

403.5932,
484.3466, 244.4332

■ 41.2738, 57.1524,
9.7454

■ 99.6476, 128.9667,
38.3049

■ 28.7217, 41.1276,
5.1271

■ 127.2293,
162.0994, 54.1214

■ 19.0136, 28.4188,
2.2620

■ 159.4817,
200.4700, 73.7838

■ 11.7842, 18.6416,
0.7098

■ 196.7703,
244.4631, 97.7106

■ 6.6680, 11.4116,
0.0000

■ 239.4604,
294.4628, 126.3204

■ 3.2998, 6.3444,
0.0000

287.9174,

■ 1.3142, 3.0556,

350.8538, 160.0318

0.0000

342.5065,
414.0202, 199.2632

■ 0.1938, 1.1608,
0.0000

■ 0.0000, 0.0294,
0.0000

■ 57.0352, 76.8776,
16.5354

■ 57.0352, 76.8776,
16.5354

■ 55.0043, 75.8951,
13.6442

■ 59.4254, 78.0158,
21.0094

■ 53.2841, 75.0406,
12.1060

■ 62.2051, 79.3137,
27.2456

■ 52.3739, 74.5808,
11.6351

■ 65.4070, 80.7870,
35.4047

■ 69.0583, 82.4469,
45.6279

73.1840, 84.3032,
58.0431

77.8069, 86.3653,
72.7680

82.9484, 88.6417,
89.9118

88.2375, 90.9841,
107.5188

90.2613, 92.0274,
107.6135

Harmonies

Analogous

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



76.3795, 76.8776, 13.1269



57.0352, 76.8776, 16.5354



44.5319, 76.8776, 33.5670

Triad

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



57.0352, 76.8776, 16.5354



52.3798, 76.8776, 220.1854



121.3717, 76.8776, 93.3973

Complementary

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



57.0352, 76.8776, 16.5354



23.7837, 13.0313, 86.0604

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.



111.7592, 76.8776, 168.4735



57.0352, 76.8776, 16.5354



69.8572, 76.8776, 260.9008

Square

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



57.0352, 76.8776, 16.5354



42.2287, 76.8776, 143.9811



91.8590, 76.8776, 238.4651



116.1441, 76.8776, 43.1540

Rectangle

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



57.0352, 76.8776, 16.5354



40.4490, 76.8776, 57.7015



91.8590, 76.8776, 238.4651



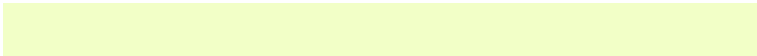
119.7242, 76.8776, 116.5436

Sweetspot

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



57.0370, 76.8811, 16.5370



82.6435, 94.4998, 67.8565



42.9138, 29.5192, 8.1396



17.4032, 20.0989, 13.6344



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.



57.0370, 76.8811, 16.5370



60.3372, 84.1657, 14.1673



39.5061, 67.8436, 15.7166



17.5145, 19.1073, 17.5625



28.8677, 40.9947, 6.3913



2.6266, 3.6491, 0.5659

Inverse Universe

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



23.7837, 13.0313, 86.0604



21.8609, 9.8028, 95.3477



40.4637, 21.6301, 86.8410



15.9431, 16.1133, 20.8125



9.8938, 4.0747, 46.8031



0.9567, 0.4030, 4.1176

Previews

White Background



This preview shows how the XYZ color 57.0352, 76.8776, 16.5354 looks on a white background.

Color Contrast Check

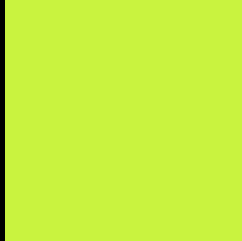
Large Text (above 18pt) WCAG AA × Fail

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 57.0352, 76.8776, 16.5354 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 57.0352, 76.8776, 16.5354

Background



This preview shows how black text looks on a background with the XYZ color 57.0352, 76.8776, 16.5354.



This preview shows how white text looks on a background with the XYZ color 57.0352, 76.8776,

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

57.0352, 76.8776, 16.5354

Protanopia

69.1316, 76.3248, 15.2262

Deuteranopia

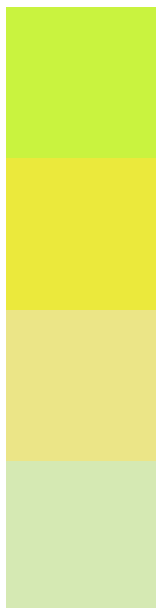
74.9329, 76.1075, 51.8151



Tritanopia

73.4657, 76.7464, 97.3277

Trichromacy



Original Color

57.0352, 76.8776, 16.5354

Protanomaly

64.2155, 76.2662, 15.6113

Deuteranomaly

66.6534, 75.4501, 33.9720

Tritanomaly

64.7162, 75.6786, 53.8444

Monochromacy



Original Color

57.0352, 76.8776, 16.5354

Achromatopsia

61.2578, 64.4480, 70.1838

Achromatomaly

57.9392, 67.9423, 41.9587

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.0352, 76.8776, 16.5354 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(201, 243, 63)` looks like.

```
.text, #text, p{  
    color:rgb(201, 243, 63)  
}
```

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(201, 243, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 243, 63) }
```

Border

The CSS property to change the border of an element to XYZ 57.0352, 76.8776, 16.5354 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(201, 243, 63) }
```


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

```
.border{ border-color:rgb(201, 243, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 243, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 243, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 243, 63);  
box-shadow:4px 4px 4px 4px rgb(201, 243,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 57.0352, 76.8776, 16.5354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 243, 63) }
```

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

```
.background{ background-color: rgb(201,  
243, 63) }
```

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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