

Converting Colors

XYZ(52.3479, 76.8146, 16.1203)

Have a look what the booklet for
XYZ(52.3479, 76.8146, 16.1203)
contains.

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Color

**XYZ(52.2356, 76.6704,
16.0487)**

Conversions

Conversions Part 1

Format	Color
Hex	B0F83A
RGB	176, 248, 58
RGB Percent	69%, 97%, 23%
CMY	0.3098, 0.0274, 0.7725
CMYK	0.29, 0.00, 0.77, 0.03
HSL	83°, 93%, 60%
HSV	83°, 77%, 97%
XYZ	52.2356, 76.6704, 16.0487
YIQ	204.8120, 18.0780, -74.3540

Conversions

Conversions Part 2

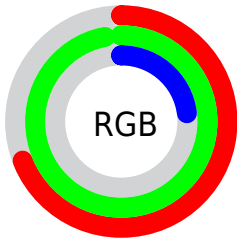
Format	Color
RYB	58, 248, 130
Decimal	11597882
CIELab	90.17, -48.07, 77.40
CIELCh	90, 91.118, 121.843
Yxy	76.6704, 0.3604, 0.5289
Android (android.graphics.Color)	4289787962 (0xFFB0F83A)
YUV	204.8120, -72.3783, -25.2681
Hunter-Lab	87.5616, -46.7472, 50.4262

Details

The XYZ color **52.2356, 76.6704, 16.0487** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed chartreuse. A complement of this color would be **27.6656, 14.5515, 90.1620**, and the grayscale version is **58.3485, 61.3872, 66.8507**.

A 20% lighter version of the original color is **73.6818, 90.6848, 31.0732**, and **25.9669, 41.0435, 6.5536** is the 20% darker color. If you saturate the color by 10%, you get **49.6986, 75.4212, 13.3925**, and if you desaturate by 10%, it is **55.2269, 78.1237, 20.3135**.

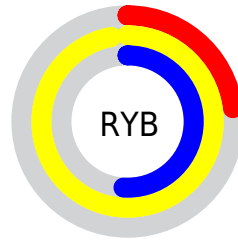
Distribution



Red (69%)

Green (97%)

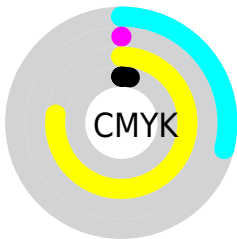
Blue (23%)



Red (23%)

Yellow (97%)

Blue (51%)

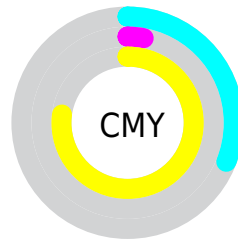


Cyan (29%)

Magenta (0%)

Yellow (77%)

Black (3%)



Cyan (31%)


Magenta (3%)


Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.2356, 76.6704, 16.0487 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 52.2356, 76.6704, 16.0487 by changing the saturation by 10% instead.


 52.2356, 76.6704,
16.0487


 52.2356, 76.6704,
16.0487


385.6545,
483.6395, 241.4844

 37.4179, 56.9824,
9.4039


 92.6508, 128.6741,
37.4507


 25.7064, 40.9911,
4.9052


 118.9790,
161.7586, 53.0450

 16.7357, 28.3121,
2.1340


 149.8748,
200.0774, 72.4595

 10.1403, 18.5611,
0.6359

 185.7035,
244.0149, 96.1128

 5.5551, 11.3536,
0.0000

 226.8304,
293.9554, 124.4233

 2.6145, 6.3052,
0.0000

273.6210,

 0.9534, 3.0315,

350.2835, 157.8098

0.0000

326.4406,
413.3834, 196.6906

0.0000, 1.1482,
0.0000

0.0000, 0.0188,
0.0000

52.2356, 76.6704,
16.0487

52.2356, 76.6704,
16.0487

49.6986, 75.4212,
13.3925

55.2269, 78.1237,
20.3135


47.5591, 74.3450,
12.0848


58.7085, 79.7877,
26.3848


46.8985, 74.0097,
11.8135

62.7178, 81.6805,
34.4373


67.2865, 83.8150,
44.6239

 72.4434, 86.2031,
57.0824

 78.2151, 88.8557,
71.9389

 84.6262, 91.7829,
89.3106

 91.4718, 94.9030,
108.1048

 92.8591, 95.6182,
108.1697

Harmonies

Analogous

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



71.4822, 76.6704, 10.5916



52.2356, 76.6704, 16.0487



40.8383, 76.6704, 37.3896

Triad

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



52.2356, 76.6704, 16.0487



54.2015, 76.6704, 248.6825



125.6115, 76.6704, 79.5363

Complementary

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



52.2356, 76.6704, 16.0487



27.6656, 14.5515, 90.1620

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.



118.3814, 76.6704, 157.2093



52.2356, 76.6704, 16.0487



74.2816, 76.6704, 280.3495

Square

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



52.2356, 76.6704, 16.0487



41.7971, 76.6704, 168.0365



98.3351, 76.6704, 240.4755



116.4578, 76.6704, 33.4708

Rectangle

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



52.2356, 76.6704, 16.0487



37.7191, 76.6704, 67.0122



98.3351, 76.6704, 240.4755



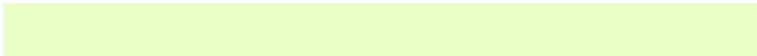
125.0117, 76.6704, 102.4485

Sweetspot

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



52.2374, 76.6738, 16.0503



79.2938, 92.8069, 66.1680



47.1539, 35.6164, 8.3934



16.5127, 19.6529, 13.0025



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.



52.2374, 76.6738, 16.0503



51.6347, 79.6887, 13.3407



37.9304, 69.2983, 15.3808



18.0529, 19.8430, 18.3410



25.4942, 40.0610, 6.3889



2.4790, 3.7711, 0.5972

Inverse Universe

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



27.6656, 14.5515, 90.1620



24.6521, 11.0054, 95.4327



48.7882, 25.4405, 91.1505



16.9047, 16.9635, 21.7686



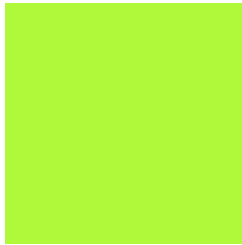
11.7892, 5.0202, 48.3212



1.2055, 0.5235, 4.4807

Previews

White Background



This preview shows how the XYZ color 52.2356, 76.6704, 16.0487 looks on a white background.

Color Contrast Check

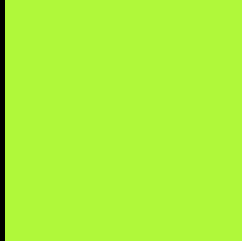
Large Text (above 18pt) WCAG AA × Fail

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 52.2356, 76.6704, 16.0487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

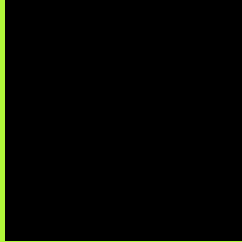
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.2356, 76.6704, 16.0487

Background



This preview shows how black text looks on a background with the XYZ color 52.2356, 76.6704, 16.0487.



This preview shows how white text looks on a background with the XYZ color 52.2356, 76.6704,

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

52.2356, 76.6704, 16.0487

Protanopia

68.6892, 75.7115, 14.2423

Deuteranopia

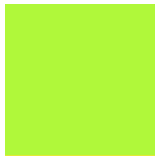
74.4732, 75.5024, 50.6927



Tritanopia

69.3844, 76.1961, 101.4928

Trichromacy



Original Color

52.2356, 76.6704, 16.0487



Protanomaly

61.4527, 75.2807, 14.7818



Deuteranomaly

63.8257, 74.4283, 32.8319



Tritanomaly

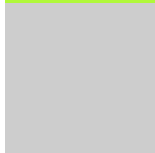
60.0083, 74.9400, 54.4821

Monochromacy



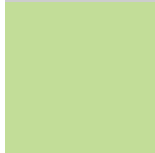
Original Color

52.2356, 76.6704, 16.0487



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

53.7721, 65.4492, 39.5046

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.2356, 76.6704, 16.0487 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, 248, 58)` looks like.

```
.text, #text, p{  
    color:rgb(176, 248, 58)  
}
```

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, 248, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 248, 58) }
```

Border

The CSS property to change the border of an element to XYZ 52.2356, 76.6704, 16.0487 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, 248, 58) }
```


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

```
.border{ border-color:rgb(176, 248, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 248, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 248, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 248, 58);  
box-shadow:4px 4px 4px 4px rgb(176, 248,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 52.2356, 76.6704, 16.0487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 248, 58) }
```

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

```
.background{ background-color: rgb(176,  
248, 58) }
```

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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