

Converting Colors

XYZ(52.4710, 76.3532, 15.2209)

Have a look what the booklet for
XYZ(52.4710, 76.3532, 15.2209)
contains.

XYZ(52.4710, 76.3532, 15.2209)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(52.4710, 76.3532,
15.2209)**

Conversions

Conversions Part 1

Format	Color
Hex	B3F734
RGB	179, 247, 52
RGB Percent	70%, 97%, 20%
CMY	0.2980, 0.0314, 0.7960
CMYK	0.28, 0.00, 0.79, 0.03
HSL	81°, 92%, 59%
HSV	81°, 79%, 97%
XYZ	52.4710, 76.3532, 15.2209
YIQ	204.4380, 22.0670, -75.0610

Conversions

Conversions Part 2

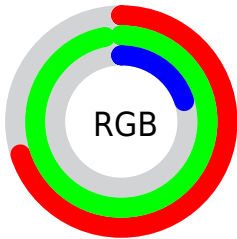
Format	Color
RYB	52, 247, 120
Decimal	11794228
CIELab	90.02, -46.83, 79.00
CIELCh	90, 91.835, 120.657
Yxy	76.3532, 0.3643, 0.5301
Android (android.graphics.Color)	4289984308 (0xFFB3F734)
YUV	204.4380, -75.1519, -22.3091
Hunter-Lab	87.3803, -45.7281, 50.8384

Details

The XYZ color **52.4710, 76.3532, 15.2209** 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 **25.7655, 13.1666, 89.1836**, and the grayscale version is **58.1256, 61.1527, 66.5953**.

A 20% lighter version of the original color is **74.4511, 91.1085, 29.8814**, and **26.1592, 40.8200, 6.5003** is the 20% darker color. If you saturate the color by 10%, you get **50.1248, 75.1945, 12.9278**, and if you desaturate by 10%, it is **55.2358, 77.6990, 19.0537**.

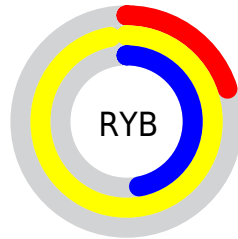
Distribution



Red (70%)

Green (97%)

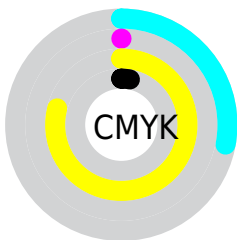
Blue (20%)



Red (20%)

Yellow (97%)

Blue (47%)

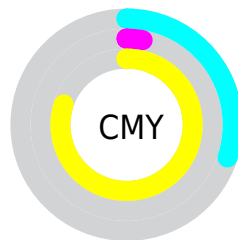


Cyan (28%)

Magenta (0%)

Yellow (79%)

Black (3%)



Cyan (30%)


Magenta (3%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.4710, 76.3532, 15.2209 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 52.4710, 76.3532, 15.2209 by changing the saturation by 10% instead.


 52.4710, 76.3532,
15.2209

 52.4710, 76.3532,
15.2209


386.5464,
482.5559, 236.3861

 37.6064, 56.7222,
8.8262


 92.9956, 128.2261,
35.9880


 25.8532, 40.7822,
4.5327


 119.3864,
161.2367, 51.1975


 16.8459, 28.1490,
1.9219


 150.3499,
199.4759, 70.1824

 10.2193, 18.4380,
0.5066

 186.2515,
243.3283, 93.3612

 5.6080, 11.2649,
0.0000

 227.4566,
293.1780, 121.1524

 2.6466, 6.2453,
0.0000

274.3306,

 0.9698, 2.9948,

349.4096, 153.9746

0.0000

327.2387,
412.4075, 192.2463

■ 0.0000, 1.1290,
0.0000

■ 0.0000, 0.0026,
0.0000

■ 52.4710, 76.3532,
15.2209

■ 52.4710, 76.3532,
15.2209

■ 50.1248, 75.1945,
12.9278

■ 55.2358, 77.6990,
19.0537


■ 48.1305, 74.1880,
11.8579

■ 58.4560, 79.2390,
24.6312


■ 47.9324, 74.0876,
11.7740


■ 62.1690, 80.9909,
32.1322


■ 66.4064, 82.9678,
41.7121

 71.1968, 85.1811,
53.5105

 76.5664, 87.6417,
67.6547

 82.5393, 90.3595,
84.2625

 89.1384, 93.3437,
103.4439

 92.5525, 95.0049,
108.0675

Harmonies

Analogous

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



72.0711, 76.3532, 10.2460



52.4710, 76.3532, 15.2209



40.7245, 76.3532, 35.6102

Triad

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



52.4710, 76.3532, 15.2209



53.1738, 76.3532, 247.1724



125.6987, 76.3532, 81.7077

Complementary

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



52.4710, 76.3532, 15.2209



25.7655, 13.1666, 89.1836

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.



117.7795, 76.3532, 160.8938



52.4710, 76.3532, 15.2209



73.0741, 76.3532, 281.9051

Square

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



52.4710, 76.3532, 15.2209



41.0667, 76.3532, 164.7880



97.2435, 76.3532, 244.2147



117.0883, 76.3532, 34.2153

Rectangle

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



52.4710, 76.3532, 15.2209



37.3956, 76.3532, 64.4077



97.2435, 76.3532, 244.2147



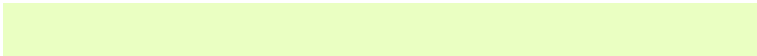
124.8676, 76.3532, 105.1819

Sweetspot

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



52.4728, 76.3566, 15.2225



79.2941, 92.8403, 64.6620



45.3420, 32.7476, 7.1810



16.5404, 19.6735, 12.7160



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.



52.4728, 76.3566, 15.2225



52.5200, 80.1519, 13.0751



37.5843, 68.6813, 14.5258



17.3210, 19.0075, 17.5535



25.5078, 39.2626, 6.2340



2.3526, 3.5079, 0.5531

Inverse Universe

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



25.7655, 13.1666, 89.1836



23.1457, 10.0559, 95.3288



45.8972, 23.5449, 90.1258



16.1262, 16.2077, 20.8210



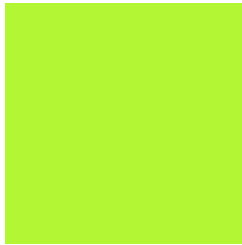
11.0536, 4.6727, 46.8573



1.0782, 0.4657, 4.1233

Previews

White Background



This preview shows how the XYZ color 52.4710, 76.3532, 15.2209 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 52.4710, 76.3532, 15.2209 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

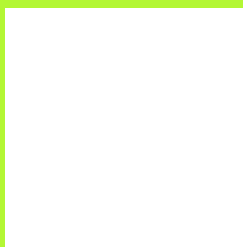
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.4710, 76.3532, 15.2209

Background



This preview shows how black text looks on a background with the XYZ color 52.4710, 76.3532, 15.2209.



This preview shows how white text looks on a background with the XYZ color 52.4710, 76.3532,

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

52.4710, 76.3532, 15.2209

Protanopia

68.5825, 75.6688, 13.6802

Deuteranopia

74.2796, 75.4250, 49.6732



Tritanopia

69.3275, 75.7884, 99.7816

Trichromacy



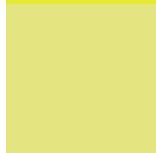
Original Color

52.4710, 76.3532, 15.2209



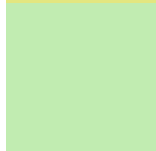
Protanomaly

61.6557, 75.3983, 14.2095



Deuteranomaly

63.8716, 74.4830, 31.4323



Tritanomaly

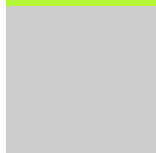
59.9236, 74.5027, 52.8171

Monochromacy



Original Color

52.4710, 76.3532, 15.2209



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

53.5237, 64.9584, 38.1510

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.4710, 76.3532, 15.2209 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(179, 247, 52)` looks like.

```
.text, #text, p{  
    color:rgb(179, 247, 52)  
}
```

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(179, 247, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 247, 52) }
```

Border

The CSS property to change the border of an element to XYZ 52.4710, 76.3532, 15.2209 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(179, 247, 52) }
```


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

```
.border{ border-color:rgb(179, 247, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 247, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 247, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 247, 52);  
box-shadow:4px 4px 4px 4px rgb(179, 247,  
52) }
```

Background

The CSS property to change the background color of an element to XYZ 52.4710, 76.3532, 15.2209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 247, 52) }
```

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

```
.background{ background-color: rgb(179,  
247, 52) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor