

# Converting Colors

XYZ(41.3707, 52.3483, 18.7520)

Have a look what the booklet for  
XYZ(41.3707, 52.3483, 18.7520)  
contains.

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# Color

**XYZ(41.5462, 52.5323,  
18.7765)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2CA5F
RGB	178, 202, 95
RGB Percent	70%, 79%, 37%
CMY	0.3020, 0.2078, 0.6274
CMYK	0.12, 0.00, 0.53, 0.21
HSL	73°, 50%, 58%
HSV	73°, 53%, 79%
XYZ	41.5462, 52.5323, 18.7765
YIQ	182.6260, 20.0430, -38.3650

# Conversions

## Conversions Part 2

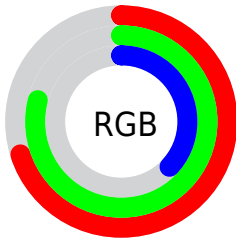
<b>Format</b>	<b>Color</b>
<b>RYB</b>	95, 202, 119
Decimal	11717215
CIELab	77.60, -23.98, 50.05
CIELCh	78, 55.501, 115.597
Yxy	52.5323, 0.3681, 0.4655
Android (android.graphics.Color)	4289907295 (0xFFB2CA5F)
YUV	182.6260, -43.1996, -4.0570
Hunter-Lab	72.4792, -24.5195, 35.3757

# Details

The XYZ color **41.5462, 52.5323, 18.7765** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted chartreuse. A complement of this color would be **22.3626, 16.3720, 57.8617**, and the grayscale version is **45.0274, 47.3723, 51.5885**.

A 20% lighter version of the original color is **75.3662, 91.3203, 41.6713**, and **19.1943, 25.5652, 6.2084** is the 20% darker color. If you saturate the color by 10%, you get **39.7222, 51.6864, 14.5041**, and if you desaturate by 10%, it is **43.6452, 53.4959, 24.3065**.

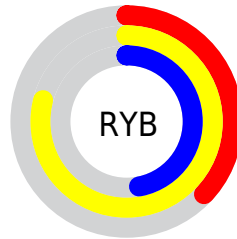
# Distribution



Red (70%)

Green (79%)

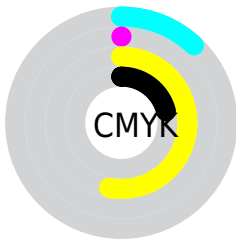
Blue (37%)



Red (37%)

Yellow (79%)

Blue (47%)

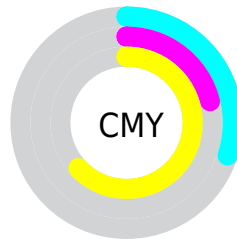


Cyan (12%)

Magenta (0%)

Yellow (53%)

Black (21%)



Cyan (30%)

Magenta (21%)

Yellow (63%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.5462, 52.5323, 18.7765 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 41.5462, 52.5323, 18.7765 by changing the saturation by 10% instead.



■ 41.5462, 52.5323,  
18.7765

■ 41.5462, 52.5323,  
18.7765

343.6220,  
396.4882, 257.5936

■ 28.9357, 37.4295,  
11.3337

■ 76.7818, 93.9158,  
42.1878

■ 19.1762, 25.5402,  
6.1748

■ 100.1377,  
120.9653, 58.9933

■ 11.9024, 16.4800,  
2.8811

■ 127.8060,  
152.7659, 79.7569

■ 6.7490, 9.8645,  
1.0343

■ 160.1521,  
189.7019, 104.8970

■ 3.3506, 5.3092,  
0.0000

197.5414,  
232.1577, 134.8321

■ 1.3417, 2.4298,  
0.0000

240.3393,

■ 0.2141, 0.8412,

280.5178, 169.9809

0.0000

288.9110,  
335.1665, 210.7619

■ 0.0000, 0.0000,  
0.0000

■ 41.5462, 52.5323,  
18.7765

■ 41.5462, 52.5323,  
18.7765

■ 39.7222, 51.6864,  
14.5041

■ 43.6452, 53.4959,  
24.3065

■ 38.1503, 50.9434,  
11.3869

■ 46.0325, 54.5769,  
31.1793

■ 36.8097, 50.2968,  
9.3121

■ 48.7249, 55.7841,  
39.4765

■ 35.6740, 49.7361,  
8.1425

■ 51.7370, 57.1231,  
49.2723

■ 34.9652, 49.3800,  
7.6884

■ 55.0820, 58.5995,  
60.6356

■ 58.7726, 60.2183,  
73.6311

■ 62.8207, 61.9842,  
88.3201

■ 66.9777, 63.7979,  
103.3919

■ 68.3209, 64.4904,  
103.4547

# Harmonies

## Analogous

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



51.5292, 52.5323, 16.2280



41.5462, 52.5323, 18.7765



34.7850, 52.5323, 29.9139

# Triad

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



41.5462, 52.5323, 18.7765



39.1689, 52.5323, 121.0161



73.4232, 52.5323, 61.8503

# Complementary

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



41.5462, 52.5323, 18.7765



22.3626, 16.3720, 57.8617

# 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.



68.9354, 52.5323, 97.4427



41.5462, 52.5323, 18.7765



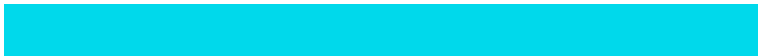
48.3650, 52.5323, 138.5241

# Square

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



41.5462, 52.5323, 18.7765



33.5565, 52.5323, 86.6720



59.3728, 52.5323, 128.6378



70.9157, 52.5323, 35.3026



# Rectangle

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



41.5462, 52.5323, 18.7765



32.5127, 52.5323, 43.7390



59.3728, 52.5323, 128.6378



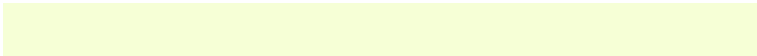
72.6669, 52.5323, 73.1701

# Sweetspot

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



41.5475, 52.5347, 18.7776



85.8755, 95.9504, 77.7465



32.9246, 26.3844, 14.1846



18.1514, 20.4354, 15.8922



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.



41.5475, 52.5347, 18.7776



66.7124, 87.2544, 23.4051



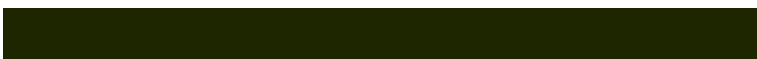
31.6917, 47.4538, 18.3164



11.8981, 12.9649, 11.9548



22.5781, 31.8148, 4.9509



1.2269, 1.6733, 0.2583



# Inverse Universe

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



22.3626, 16.3720, 57.8617



30.8242, 19.4610, 96.7395



31.6986, 21.1848, 58.2986



10.8333, 10.9633, 14.1155



7.6296, 3.1408, 36.1604



0.4613, 0.1969, 1.8686



# Previews

## White Background



This preview shows how the XYZ color 41.5462, 52.5323, 18.7765 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 41.5462, 52.5323, 18.7765 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 41.5462, 52.5323, 18.7765**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.5462, 52.5323, 18.7765.



This preview shows how white text looks on a background with the XYZ color 41.5462, 52.5323,



# 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

41.5462, 52.5323, 18.7765

### Protanopia

47.9328, 52.4690, 17.7264

### Deuteranopia

53.2891, 52.0382, 19.2923



## Tritanopia

50.9188, 52.3111, 65.1709

# Trichromacy



## Original Color

41.5462, 52.5323, 18.7765

## Protanomaly

45.5351, 52.5495, 18.0990

## Deuteranomaly

48.1338, 51.5732, 18.9730

## Tritanomaly

46.3330, 51.7393, 43.1420

# Monochromacy



## Original Color

41.5462, 52.5323, 18.7765

## Achromatopsia

45.0092, 47.3531, 51.5676

## Achromatomaly

43.0554, 48.8850, 36.4446

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.5462, 52.5323, 18.7765 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(178, 202, 95)` looks like.

```
.text, #text, p{  
    color:rgb(178, 202, 95)  
}
```

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(178, 202, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 202, 95) }
```

## Border

The CSS property to change the border of an element to XYZ 41.5462, 52.5323, 18.7765 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(178, 202, 95) }
```



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

```
.border{ border-color:rgb(178, 202, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 202, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 202, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 202, 95);  
box-shadow:4px 4px 4px 4px rgb(178, 202,  
95) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.5462, 52.5323, 18.7765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 202, 95) }
```

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

```
.background{ background-color: rgb(178,  
202, 95) }
```

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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