

# Converting Colors

XYZ(41.8777, 53.8430, 18.0072)

Have a look what the booklet for  
XYZ(41.8777, 53.8430, 18.0072)  
contains.

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# Color

**XYZ(41.8511, 53.7651,  
18.0694)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1CD5B
RGB	177, 205, 91
RGB Percent	69%, 80%, 36%
CMY	0.3059, 0.1961, 0.6431
CMYK	0.14, 0.00, 0.56, 0.20
HSL	75°, 53%, 58%
HSV	75°, 56%, 80%
XYZ	41.8511, 53.7651, 18.0694
YIQ	183.6320, 19.9060, -41.3900

# Conversions

## Conversions Part 2

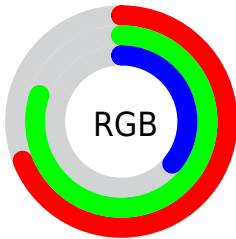
Format	Color
<b>RYB</b>	91, 205, 119
Decimal	11652443
CIELab	78.32, -26.18, 52.72
CIElCh	78, 58.866, 116.411
Yxy	53.7651, 0.3681, 0.4729
Android (android.graphics.Color)	4289842523 (0xFFB1CD5B)
YUV	183.6320, -45.6676, -5.8163
Hunter-Lab	73.3247, -26.4368, 36.7165

# Details

The XYZ color **41.8511, 53.7651, 18.0694** is a light color, and the websafe version is hex **99CC66**. The color can be described as light muted chartreuse. A complement of this color would be **22.3703, 15.8132, 59.6340**, and the grayscale version is **45.5943, 47.9688, 52.2380**.

A 20% lighter version of the original color is **75.0550, 91.1958, 40.0323**, and **19.4266, 26.4044, 5.8229** is the 20% darker color. If you saturate the color by 10%, you get **39.9592, 52.8802, 13.9787**, and if you desaturate by 10%, it is **44.0294, 54.7733, 23.4364**.

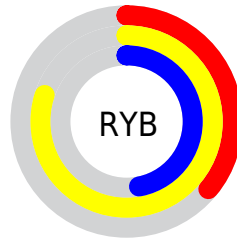
# Distribution



Red (69%)

Green (80%)

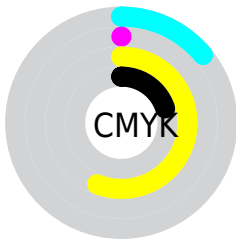
Blue (36%)



Red (36%)

Yellow (80%)

Blue (47%)

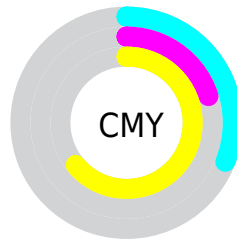


Cyan (14%)

Magenta (0%)

Yellow (56%)

Black (20%)



Cyan (31%)

Magenta (20%)

Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8511, 53.7651, 18.0694 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 41.8511, 53.7651, 18.0694 by changing the saturation by 10% instead.



■ 41.8511, 53.7651,  
18.0694

■ 41.8511, 53.7651,  
18.0694

344.8675,  
401.2136, 253.5112

■ 29.1753, 38.4139,  
10.8299

■ 77.2408, 95.7293,  
40.9711

■ 19.3584, 26.3041,  
5.8398

■ 100.6854,  
123.1110, 57.4703

■ 12.0351, 17.0513,  
2.6807

■ 128.4504,  
155.2717, 77.8932

■ 6.8400, 10.2710,  
0.9337

■ 160.9010,  
192.5958, 102.6582

■ 3.4076, 5.5790,  
0.0000

198.4027,  
235.4676, 132.1840

■ 1.3728, 2.5908,  
0.0000

241.3207,

■ 0.2367, 0.9221,

284.2716, 166.8891

0.0000

290.0205,  
339.3922, 207.1920

■ 0.0000, 0.0000,  
0.0000

■ 41.8511, 53.7651,  
18.0694

■ 41.8511, 53.7651,  
18.0694

■ 39.9592, 52.8802,  
13.9787

■ 44.0294, 54.7733,  
23.4364

■ 38.3293, 52.1030,  
11.0546

■ 46.5088, 55.9050,  
30.1707

■ 36.9388, 51.4263,  
9.1746

■ 49.3070, 57.1692,  
38.3589

■ 35.7583, 50.8383,  
8.1866

■ 52.4395, 58.5721,  
48.0794

■ 35.2819, 50.5985,  
7.9069

■ 55.9206, 60.1196,  
59.4052

■ 59.7635, 61.8170,  
72.4044

■ 63.9809, 63.6693,  
87.1413

■ 68.5836, 65.6810,  
103.6707

■ 70.1062, 66.4659,  
103.7420

# Harmonies

## Analogous

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



52.5042, 53.7651, 15.2561



41.8511, 53.7651, 18.0694



34.7522, 53.7651, 29.9449

# Triad

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



41.8511, 53.7651, 18.0694



39.7796, 53.7651, 129.0684



76.6105, 53.7651, 62.6112

# Complementary

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



41.8511, 53.7651, 18.0694



22.3703, 15.8132, 59.6340

# 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.



71.9123, 53.7651, 101.2222



41.8511, 53.7651, 18.0694



49.7252, 53.7651, 147.6655

# Square

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



41.8511, 53.7651, 18.0694



33.6887, 53.7651, 91.6141



61.6248, 53.7651, 135.9273



73.6713, 53.7651, 34.5732



# Rectangle

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



41.8511, 53.7651, 18.0694



32.4208, 53.7651, 44.8393



61.6248, 53.7651, 135.9273



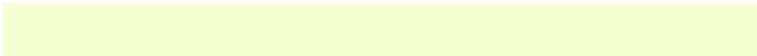
75.8561, 53.7651, 74.7832

# Sweetspot

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



41.8524, 53.7675, 18.0705



85.0296, 95.5517, 76.0179



33.4985, 26.5989, 13.2668



17.9706, 20.3495, 15.5511



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.



41.8524, 53.7675, 18.0705



64.8153, 86.3130, 21.6623



31.6628, 48.5146, 17.5937



11.8742, 12.9525, 11.9537



22.0530, 31.5440, 4.9263



1.2037, 1.6614, 0.2572



# Inverse Universe

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



22.3703, 15.8132, 59.6340



29.8539, 18.0287, 96.5142



32.3520, 20.9590, 60.1011



10.8556, 10.9749, 14.1166



7.7632, 3.2096, 36.1666



0.4715, 0.2022, 1.8691



# Previews

## White Background



This preview shows how the XYZ color 41.8511, 53.7651, 18.0694 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 41.8511, 53.7651, 18.0694 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 41.8511, 53.7651, 18.0694

## Background



This preview shows how black text looks on a background with the XYZ color 41.8511, 53.7651, 18.0694.



This preview shows how white text looks on a background with the XYZ color 41.8511, 53.7651,



# 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

41.8511, 53.7651, 18.0694

### Protanopia

49.0364, 53.7188, 16.8011

### Deuteranopia

54.5581, 53.3212, 18.7258



## Tritanopia

51.9410, 53.7704, 67.3156

# Trichromacy



## Original Color

41.8511, 53.7651, 18.0694

## Protanomaly

46.0429, 53.5103, 17.1343

## Deuteranomaly

49.2341, 53.1244, 18.4856

## Tritanomaly

47.0075, 53.0882, 43.3668

# Monochromacy



## Original Color

41.8511, 53.7651, 18.0694

## Achromatopsia

45.5594, 47.9320, 52.1980

## Achromatomaly

43.4107, 49.7250, 36.1641

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.8511, 53.7651, 18.0694 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(177, 205, 91)` looks like.

```
.text, #text, p{  
    color:rgb(177, 205, 91)  
}
```

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(177, 205, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 205, 91) }
```

## Border

The CSS property to change the border of an element to XYZ 41.8511, 53.7651, 18.0694 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(177, 205, 91) }
```



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

```
.border{ border-color:rgb(177, 205, 91) }
```

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

Here you see how a box with a 4 pixel rgb(177, 205, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 205, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 205, 91);  
box-shadow:4px 4px 4px 4px rgb(177, 205,  
91) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.8511, 53.7651, 18.0694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 205, 91) }
```

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

```
.background{ background-color: rgb(177,  
205, 91) }
```

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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