

# Converting Colors

XYZ(41.4339, 53.1950, 18.2103)

Have a look what the booklet for  
XYZ(41.4339, 53.1950, 18.2103)  
contains.

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# Color

**XYZ(41.4291, 53.1885,  
18.2081)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0CC5C
RGB	176, 204, 92
RGB Percent	69%, 80%, 36%
CMY	0.3098, 0.2000, 0.6392
CMYK	0.14, 0.00, 0.55, 0.20
HSL	75°, 52%, 58%
HSV	75°, 55%, 80%
XYZ	41.4291, 53.1885, 18.2081
YIQ	182.8600, 19.2640, -40.7680

# Conversions

## Conversions Part 2

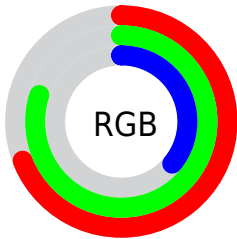
Format	Color
<b>R<sub>YB</sub></b>	92, 204, 120
Decimal	11586652
CIE <sub>Lab</sub>	77.99, -26.01, 51.86
CIE <sub>LCh</sub>	78, 58.014, 116.635
Yxy	53.1885, 0.3672, 0.4714
Android (android.graphics.Color)	4289776732 (0xFFB0CC5C)
YUV	182.8600, -44.7940, -6.0162
Hunter-Lab	72.9304, -26.2290, 36.2487

# Details

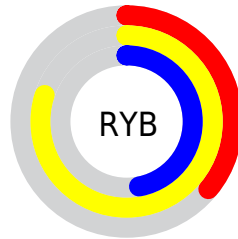
The XYZ color **41.4291, 53.1885, 18.2081** is a light color, and the websafe version is hex **99CC66**. The color can be described as light muted chartreuse. A complement of this color would be **22.4740, 16.0084, 59.0352**, and the grayscale version is **45.1646, 47.5166, 51.7456**.

A 20% lighter version of the original color is **74.4751, 90.8880, 40.4059**, and **19.1577, 26.0241, 5.9329** is the 20% darker color. If you saturate the color by 10%, you get **39.5233, 52.2973, 14.0745**, and if you desaturate by 10%, it is **43.6209, 54.2029, 23.6105**.

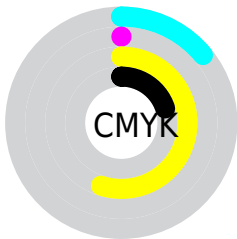
# Distribution



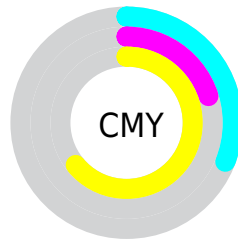
- Red (69%)
- Green (80%)
- Blue (36%)



- Red (36%)
- Yellow (80%)
- Blue (47%)



- Cyan (14%)
- Magenta (0%)
- Yellow (55%)
- Black (20%)



- Cyan (31%)
- Magenta (20%)
- Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.4291, 53.1885, 18.2081 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 41.4291, 53.1885, 18.2081 by changing the saturation by 10% instead.



■ 41.4291, 53.1885,  
18.2081

■ 41.4291, 53.1885,  
18.2081

343.1429,  
399.0079, 254.3168

■ 28.8437, 37.9533,  
10.9285

■ 76.6055, 94.8817,  
41.2103

■ 19.1063, 25.9464,  
5.9052

■ 99.9271, 122.1084,  
57.7700

■ 11.8516, 16.7836,  
2.7197

■ 127.5582,  
154.1011, 78.2602

■ 6.7142, 10.0803,  
0.9533

■ 159.8641,  
191.2442, 103.0994

■ 3.3287, 5.4522,  
0.0000

197.2102,  
233.9220, 132.7061

■ 1.3299, 2.5150,  
0.0000

239.9617,

■ 0.2054, 0.8841,

282.5190, 167.4988

0.0000

288.4842,  
337.4195, 207.8962

■ 0.0000, 0.0000,  
0.0000

■ 41.4291, 53.1885,  
18.2081

■ 41.4291, 53.1885,  
18.2081

■ 39.5233, 52.2973,  
14.0745

■ 43.6209, 54.2029,  
23.6105

■ 37.8796, 51.5140,  
11.1021

■ 46.1129, 55.3405,  
30.3708

■ 36.4756, 50.8315,  
9.1717

■ 48.9228, 56.6104,  
38.5741

■ 35.2832, 50.2385,  
8.1361

■ 52.0657, 58.0186,  
48.2975

■ 34.7300, 49.9599,  
7.8128

■ 55.5556, 59.5709,  
59.6126

■ 59.4057, 61.2725,  
72.5864

■ 63.6284, 63.1285,  
87.2824

■ 68.2021, 65.1303,  
103.5845

■ 69.7402, 65.9232,  
103.6565

# Harmonies

## Analogous

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



51.8396, 53.1885, 15.3677



41.4291, 53.1885, 18.2081



34.4978, 53.1885, 29.9980

# Triad

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



41.4291, 53.1885, 18.2081



39.5254, 53.1885, 126.9441



75.4827, 53.1885, 61.6414

# Complementary

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



41.4291, 53.1885, 18.2081



22.4740, 16.0084, 59.0352

# 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.



70.9493, 53.1885, 99.2996



41.4291, 53.1885, 18.2081



49.2900, 53.1885, 144.8430

# Square

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



41.4291, 53.1885, 18.2081



33.5192, 53.1885, 90.5134



60.9292, 53.1885, 133.2049



72.5593, 53.1885, 34.2642



# Rectangle

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



41.4291, 53.1885, 18.2081



32.2308, 53.1885, 44.6923



60.9292, 53.1885, 133.2049



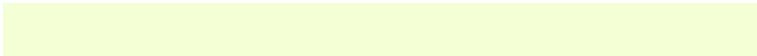
74.7655, 53.1885, 73.5138

# Sweetspot

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



41.4304, 53.1909, 18.2092



85.5090, 95.7615, 77.7293



33.5520, 27.0447, 13.5777



18.0635, 20.3900, 15.8881



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.



41.4304, 53.1909, 18.2092



64.8848, 86.3371, 22.1976



31.2722, 47.9541, 17.7338



11.8693, 12.9500, 11.9535



21.9472, 31.4895, 4.9213



1.1990, 1.6589, 0.2570



# Inverse Universe

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



22.4740, 16.0084, 59.0352



30.4542, 18.6380, 96.6001



32.6326, 21.2454, 59.5106



10.8602, 10.9772, 14.1168



7.7923, 3.2246, 36.1680



0.4736, 0.2033, 1.8692



# Previews

## White Background



This preview shows how the XYZ color 41.4291, 53.1885, 18.2081 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 41.4291, 53.1885, 18.2081 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 41.4291, 53.1885, 18.2081

## Background



This preview shows how black text looks on a background with the XYZ color 41.4291, 53.1885, 18.2081.



This preview shows how white text looks on a background with the XYZ color 41.4291, 53.1885,



# 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

41.4291, 53.1885, 18.2081

### Protanopia

48.2720, 52.9906, 16.9165

### Deuteranopia

53.7302, 52.5817, 18.8727



## Tritanopia

51.3473, 53.1514, 66.5844

# Trichromacy



## Original Color

41.4291, 53.1885, 18.2081

## Protanomaly

45.5888, 52.9331, 17.2655

## Deuteranomaly

48.4737, 52.4023, 18.6261

## Tritanomaly

46.5390, 52.5108, 43.2800

# Monochromacy



## Original Color

41.4291, 53.1885, 18.2081

## Achromatopsia

45.0092, 47.3531, 51.5676

## Achromatomaly

42.9582, 49.1669, 36.0802

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.4291, 53.1885, 18.2081 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, 204, 92)` looks like.

```
.text, #text, p{  
    color:rgb(176, 204, 92)  
}
```

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, 204, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 204, 92) }
```

## Border

The CSS property to change the border of an element to XYZ 41.4291, 53.1885, 18.2081 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, 204, 92) }
```



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

```
.border{ border-color:rgb(176, 204, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 204, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 204, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 204, 92);  
box-shadow:4px 4px 4px 4px rgb(176, 204,  
92) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.4291, 53.1885, 18.2081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 204, 92) }
```

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

```
.background{ background-color: rgb(176,  
204, 92) }
```

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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