

Converting Colors

XYZ(41.2372, 52.1834, 18.6497)

Have a look what the booklet for
XYZ(41.2372, 52.1834, 18.6497)
contains.

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Color

**XYZ(41.0837, 51.9466,
18.6878)**

Conversions

Conversions Part 1

Format	Color
Hex	B1C95F
RGB	177, 201, 95
RGB Percent	69%, 79%, 37%
CMY	0.3059, 0.2117, 0.6274
CMYK	0.12, 0.00, 0.53, 0.21
HSL	74°, 50%, 58%
HSV	74°, 53%, 79%
XYZ	41.0837, 51.9466, 18.6878
YIQ	181.7400, 19.7220, -38.0540

Conversions

Conversions Part 2

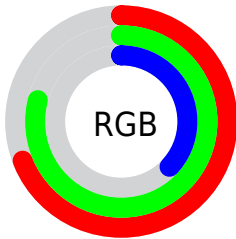
Format	Color
RYB	95, 201, 119
Decimal	11651423
CIELab	77.25, -23.89, 49.63
CIELCh	77, 55.077, 115.703
Yxy	51.9466, 0.3677, 0.4650
Android (android.graphics.Color)	4289841503 (0xFFB1C95F)
YUV	181.7400, -42.7628, -4.1570
Hunter-Lab	72.0740, -24.3807, 35.0787

Details

The XYZ color **41.0837, 51.9466, 18.6878** 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 **22.2444, 16.3247, 57.2399**, and the grayscale version is **44.5408, 46.8604, 51.0310**.

A 20% lighter version of the original color is **75.0370, 91.1505, 41.6559**, and **18.8958, 25.1794, 6.1497** is the 20% darker color. If you saturate the color by 10%, you get **39.2662, 51.1037, 14.4336**, and if you desaturate by 10%, it is **43.1740, 52.9063, 24.1873**.

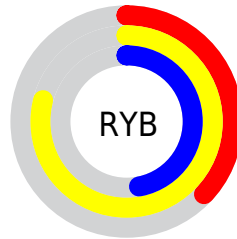
Distribution



Red (69%)

Green (79%)

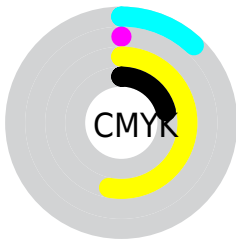
Blue (37%)



Red (37%)

Yellow (79%)

Blue (47%)

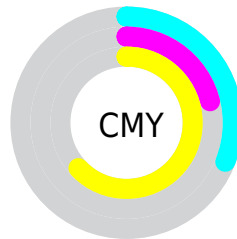


Cyan (12%)

Magenta (0%)

Yellow (53%)

Black (21%)



Cyan (31%)

Magenta (21%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.0837, 51.9466, 18.6878 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 41.0837, 51.9466, 18.6878 by changing the saturation by 10% instead.

41.0837, 51.9466,
18.6878

41.0837, 51.9466,
18.6878

341.7269,
394.2304, 257.0848

28.5725, 36.9625,
11.2704

76.0848, 93.0525,
42.0355

18.9003, 25.1785,
6.1326

99.3054, 119.9431,
58.8029

11.7018, 16.2101,
2.8558

126.8265,
151.5713, 79.5241

6.6117, 9.6729,
1.0215

159.0135,
188.3215, 104.6175

3.2646, 5.1826,
0.0000

196.2317,
230.5781, 134.5017

1.2952, 2.3548,
0.0000

238.8464,

0.1796, 0.8025,

278.7256, 169.5953

0.0000

287.2230,
333.1482, 210.3169

■ 0.0000, 0.0000,
0.0000

■ 41.0837, 51.9466,
18.6878

■ 41.0837, 51.9466,
18.6878

■ 39.2662, 51.1037,
14.4336

■ 43.1740, 52.9063,
24.1873

■ 37.6990, 50.3629,
11.3237

■ 45.5502, 53.9827,
31.0159

■ 36.3616, 49.7181,
9.2471

■ 48.2291, 55.1841,
39.2542

■ 35.2282, 49.1586,
8.0690

■ 51.2248, 56.5164,
48.9751

■ 34.4989, 48.7923,
7.5996

■ 54.5505, 57.9848,
60.2469

■ 58.2188, 59.5944,
73.1333

■ 62.2412, 61.3500,
87.6946

■ 66.4989, 63.2038,
103.3024

■ 67.8413, 63.8958,
103.3653

Harmonies

Analogous

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



50.9103, 51.9466, 16.1424



41.0837, 51.9466, 18.6878



34.4325, 51.9466, 29.7221

Triad

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



41.0837, 51.9466, 18.6878



38.7970, 51.9466, 119.4552



72.5052, 51.9466, 61.0296

Complementary

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



41.0837, 51.9466, 18.6878



22.2444, 16.3247, 57.2399

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.



68.1112, 51.9466, 96.0457



41.0837, 51.9466, 18.6878



47.8683, 51.9466, 136.5828

Square

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



41.0837, 51.9466, 18.6878



33.2502, 51.9466, 85.7026



58.7100, 51.9466, 126.7698



70.0134, 51.9466, 34.9107

Rectangle

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



41.0837, 51.9466, 18.6878



32.2015, 51.9466, 43.3860



58.7100, 51.9466, 126.7698



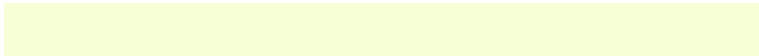
71.7692, 51.9466, 72.1650

Sweetspot

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



41.0849, 51.9489, 18.6889



85.8453, 95.9348, 77.7451



32.6293, 26.1942, 14.1634



18.1442, 20.4316, 15.8919



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.



41.0849, 51.9489, 18.6889



66.8953, 87.3356, 24.0039



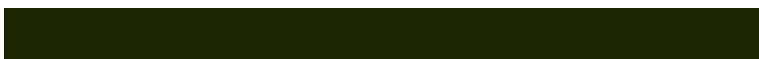
31.4163, 46.9645, 18.2364



11.2799, 12.2912, 11.3407



21.7727, 30.7195, 4.7819



1.0903, 1.4852, 0.2292

Inverse Universe

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



22.2444, 16.3247, 57.2399



31.4022, 20.0916, 96.8307



31.4239, 21.0569, 57.6695



10.2777, 10.4014, 13.3835



7.3902, 3.0440, 34.9424



0.4151, 0.1777, 1.6576

Previews

White Background



This preview shows how the XYZ color 41.0837, 51.9466, 18.6878 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 41.0837, 51.9466, 18.6878 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

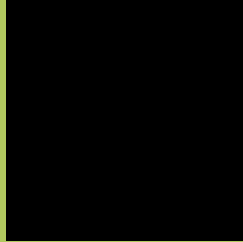
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.0837, 51.9466, 18.6878

Background



This preview shows how black text looks on a background with the XYZ color 41.0837, 51.9466, 18.6878.



This preview shows how white text looks on a background with the XYZ color 41.0837, 51.9466,

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

41.0837, 51.9466, 18.6878

Protanopia

47.4265, 51.8832, 17.6400

Deuteranopia

52.4284, 51.2915, 19.1936



Tritanopia

50.3319, 51.7020, 64.4534

Trichromacy



Original Color

41.0837, 51.9466, 18.6878

Protanomaly

45.0441, 51.9626, 18.0116

Deuteranomaly

47.6284, 50.9944, 18.8879

Tritanomaly

45.7784, 51.1346, 42.5791

Monochromacy



Original Color

41.0837, 51.9466, 18.6878

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

42.5250, 48.3005, 35.9358

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.0837, 51.9466, 18.6878 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, 201, 95)` looks like.

```
.text, #text, p{  
    color:rgb(177, 201, 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(177, 201, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 201, 95) }
```

Border

The CSS property to change the border of an element to XYZ 41.0837, 51.9466, 18.6878 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, 201, 95) }
```


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

```
.border{ border-color:rgb(177, 201, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 201, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 201, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 201, 95);  
box-shadow:4px 4px 4px 4px rgb(177, 201,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 41.0837, 51.9466, 18.6878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 201, 95) }
```

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

```
.background{ background-color: rgb(177,  
201, 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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