

Converting Colors

XYZ(41.1605, 47.5502, 18.4493)

Have a look what the booklet for
XYZ(41.1605, 47.5502, 18.4493)
contains.

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Color

**XYZ(41.1741, 47.6671,
18.5858)**

Conversions

Conversions Part 1

Format	Color
Hex	BDBC62
RGB	189, 188, 98
RGB Percent	74%, 74%, 38%
CMY	0.2588, 0.2627, 0.6157
CMYK	0.00, 0.01, 0.48, 0.26
HSL	59°, 41%, 56%
HSV	59°, 48%, 74%
XYZ	41.1741, 47.6671, 18.5858
YIQ	178.0390, 29.4860, -27.7780

Conversions

Conversions Part 2

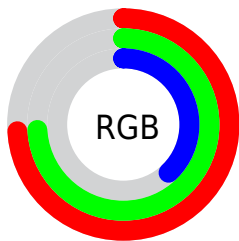
Format	Color
R_{YB}	99, 189, 98
Decimal	12434530
CIE Lab	74.61, -12.25, 45.29
CIE LCh	75, 46.917, 105.141
Yxy	47.6671, 0.3833, 0.4437
Android (android.graphics.Color)	4290624610 (0xFFBDBC62)
YUV	178.0390, -39.4592, 9.6128
Hunter-Lab	69.0414, -14.3706, 32.3682

Details

The XYZ color **41.1741, 47.6671, 18.5858** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **18.6841, 15.1941, 50.0920**, and the grayscale version is **42.5299, 44.7448, 48.7271**.

A 20% lighter version of the original color is **76.2944, 86.7099, 41.9937**, and **19.0086, 22.6015, 6.0500** is the 20% darker color. If you saturate the color by 10%, you get **40.3414, 47.2652, 14.4136**, and if you desaturate by 10%, it is **42.2199, 48.1578, 23.8697**.

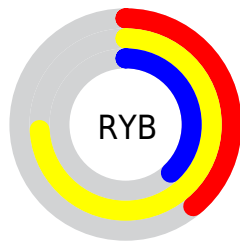
Distribution



Red (74%)

Green (74%)

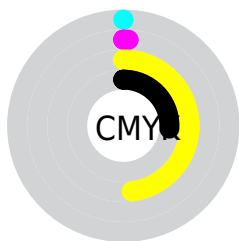
Blue (38%)



Red (39%)

Yellow (74%)

Blue (38%)

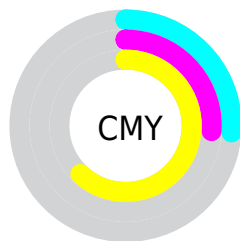


Cyan (0%)

Magenta (1%)

Yellow (48%)

Black (26%)



Cyan (26%)

Magenta (26%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.1741, 47.6671, 18.5858 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 41.1741, 47.6671, 18.5858 by changing the saturation by 10% instead.

■ 41.1741, 47.6671,
18.5858

■ 41.1741, 47.6671,
18.5858

342.0979,
377.4711, 256.4986

■ 28.6434, 33.5633,
11.1976

■ 76.2212, 86.7085,
41.8603

■ 18.9542, 22.5583,
6.0841

■ 99.4682, 112.4150,
58.5838

■ 11.7410, 14.2677,
2.8266

■ 127.0182,
142.7578, 79.2560

■ 6.6385, 8.3071,
1.0068

■ 159.2363,
178.1214, 104.2957

■ 3.2814, 4.2921,
0.0000

196.4880,
218.8901, 134.1212

■ 1.3042, 1.8383,
0.0000

239.1386,

■ 0.1864, 0.5109,

265.4484, 169.1511

0.0000

287.5534,
318.1806, 209.8041

■ 0.0000, 0.0000,
0.0000

■ 41.1741, 47.6671,
18.5858

■ 41.1741, 47.6671,
18.5858

■ 40.3414, 47.2652,
14.4136

■ 42.2199, 48.1578,
23.8697

■ 39.7033, 46.9395,
11.2707

■ 43.4888, 48.7362,
30.3339

■ 39.2439, 46.6853,
9.0684


■ 44.9947, 49.4094,
38.0449


■ 38.9432, 46.4948,
7.7014


■ 46.7489, 50.1821,
47.0636


■ 38.7698, 46.3552,
7.0046


■ 48.7622, 51.0585,
57.4467

 38.7425, 46.3313,
6.9009

 51.0449, 52.0427,
69.2477

 53.6065, 53.1387,
82.5171

 56.4561, 54.3499,
97.3030

 57.4204, 54.8071,
102.1602

Harmonies

Analogous

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



49.6232, 47.6671, 18.5558



41.1741, 47.6671, 18.5858



34.6906, 47.6671, 25.4128

Triad

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



41.1741, 47.6671, 18.5858



34.7382, 47.6671, 92.6016



62.9899, 47.6671, 64.8391

Complementary

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



41.1741, 47.6671, 18.5858



18.6841, 15.1941, 50.0920

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.



57.8925, 47.6671, 92.3622



41.1741, 47.6671, 18.5858



41.2470, 47.6671, 111.4832

Square

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



41.1741, 47.6671, 18.5858



31.3031, 47.6671, 65.0974



49.7058, 47.6671, 111.3840



62.9639, 47.6671, 40.6212

Rectangle

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



41.1741, 47.6671, 18.5858



32.0482, 47.6671, 34.6220



49.7058, 47.6671, 111.3840



61.7932, 47.6671, 74.1437

Sweetspot

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



41.1752, 47.6693, 18.5868



81.7640, 89.0137, 74.1902



27.6312, 20.4654, 14.4288



17.4416, 19.0795, 15.2280



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.1752, 47.6693, 18.5868



72.1502, 84.6017, 25.3106



32.0825, 43.2984, 18.2224



10.3131, 11.1021, 10.1760



26.0712, 31.1811, 4.6445



1.0241, 1.2272, 0.1829

Inverse Universe

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



18.6841, 15.1941, 50.0920



27.0108, 19.4280, 88.5526



24.7059, 18.1593, 50.3470



9.0247, 9.2416, 11.9804



6.1989, 2.5096, 32.5506



0.2457, 0.1041, 1.2760

Previews

White Background



This preview shows how the XYZ color 41.1741, 47.6671, 18.5858 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 41.1741, 47.6671, 18.5858 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 41.1741, 47.6671, 18.5858

Background



This preview shows how black text looks on a background with the XYZ color 41.1741, 47.6671, 18.5858.



This preview shows how white text looks on a background with the XYZ color 41.1741, 47.6671,

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

41.1741, 47.6671, 18.5858

Protanopia

43.6553, 47.7006, 18.2155

Deuteranopia

48.4194, 47.4468, 18.9181



Tritanopia

48.8776, 47.7445, 55.9297

Trichromacy



Original Color

41.1741, 47.6671, 18.5858

Protanomaly

42.5326, 47.4313, 18.2227

Deuteranomaly

45.4855, 47.4115, 18.8106

Tritanomaly

45.3194, 47.4923, 38.6766

Monochromacy



Original Color

41.1741, 47.6671, 18.5858

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

41.4442, 45.5709, 35.0455

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.1741, 47.6671, 18.5858 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(189, 188, 98)` looks like.

```
.text, #text, p{  
    color:rgb(189, 188, 98)  
}
```

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(189, 188, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 188, 98) }
```

Border

The CSS property to change the border of an element to XYZ 41.1741, 47.6671, 18.5858 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(189, 188, 98) }
```


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

```
.border{ border-color:rgb(189, 188, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 188, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 188, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 188, 98);  
box-shadow:4px 4px 4px 4px rgb(189, 188,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 41.1741, 47.6671, 18.5858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 188, 98) }
```

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

```
.background{ background-color: rgb(189,  
188, 98) }
```

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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