

Converting Colors

XYZ(42.9253, 50.4585, 21.5535)

Have a look what the booklet for
XYZ(42.9253, 50.4585, 21.5535)
contains.

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Color

**XYZ(42.9848, 50.4851,
21.6664)**

Conversions

Conversions Part 1

Format	Color
Hex	BDC26C
RGB	189, 194, 108
RGB Percent	74%, 76%, 42%
CMY	0.2588, 0.2392, 0.5765
CMYK	0.03, 0.00, 0.44, 0.24
HSL	63°, 41%, 59%
HSV	63°, 44%, 76%
XYZ	42.9848, 50.4851, 21.6664
YIQ	182.7010, 24.6260, -27.8060

Conversions

Conversions Part 2

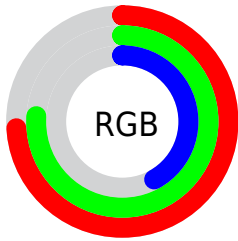
Format	Color
RYB	108, 194, 113
Decimal	12436076
CIELab	76.37, -14.34, 42.49
CIELCh	76, 44.843, 108.647
Yxy	50.4851, 0.3733, 0.4385
Android (android.graphics.Color)	4290626156 (0xFFBDC26C)
YUV	182.7010, -36.8276, 5.5242
Hunter-Lab	71.0529, -16.3555, 31.6575

Details

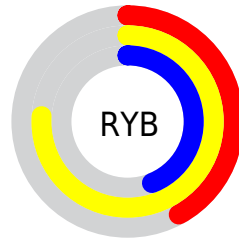
The XYZ color **42.9848, 50.4851, 21.6664** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **21.9120, 18.1321, 53.3869**, and the grayscale version is **45.0329, 47.3781, 51.5947**.

A 20% lighter version of the original color is **78.9764, 90.7186, 47.0662**, and **20.1201, 24.4236, 7.6568** is the 20% darker color. If you saturate the color by 10%, you get **41.7866, 49.9754, 16.8076**, and if you desaturate by 10%, it is **44.4174, 51.0924, 27.7374**.

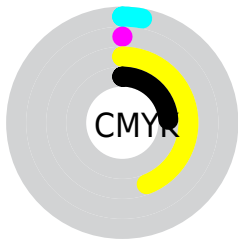
Distribution



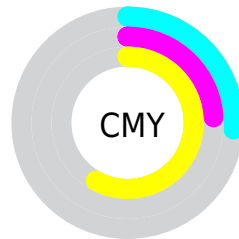
- Red (74%)
- Green (76%)
- Blue (42%)



- Red (42%)
- Yellow (76%)
- Blue (44%)



- Cyan (3%)
- Magenta (0%)
- Yellow (44%)
- Black (24%)



- Cyan (26%)
- Magenta (24%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.9848, 50.4851, 21.6664 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 42.9848, 50.4851, 21.6664 by changing the saturation by 10% instead.

■ 42.9848, 50.4851,
21.6664

■ 42.9848, 50.4851,
21.6664

349.4718,
388.5600, 273.6956

■ 30.0677, 35.7990,
13.4160

■ 78.9438, 90.8932,
47.0891

■ 20.0383, 24.2790,
7.5816

■ 102.7163,
117.3840, 65.0985

■ 12.5313, 15.5407,
3.7445

■ 130.8381,
148.5785, 87.1980

■ 7.1814, 9.1997,
1.4862

■ 163.6743,
184.8610, 113.8061

■ 3.6231, 4.8717,
0.2076

201.5905,
226.6161, 145.3414

■ 1.4912, 2.1722,
0.0000

244.9519,

■ 0.3198, 0.7048,

274.2280, 182.2223

0.0000

294.1239,
328.0811, 224.8676

■ 0.0000, 0.0000,
0.0000

■ 42.9848, 50.4851,
21.6664

■ 42.9848, 50.4851,
21.6664

■ 41.7866, 49.9754,
16.8076

■ 44.4174, 51.0924,
27.7374

■ 40.8037, 49.5502,
13.0766

■ 46.0948, 51.7961,
35.0911

■ 40.0200, 49.2050,
10.3834


■ 48.0310, 52.6036,
43.7965


■ 39.4156, 48.9318,
8.6226


■ 50.2380, 53.5196,
53.9167


■ 38.9661, 48.7208,
7.6669


■ 52.7271, 54.5488,
65.5107

 38.7534, 48.6181,
7.3417

 55.5089, 55.6952,
78.6343

 58.5933, 56.9630,
93.3403

 60.6402, 57.8161,
102.5713

 60.9391, 57.9701,
102.5853

Harmonies

Analogous

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



51.2476, 50.4851, 20.8548



42.9848, 50.4851, 21.6664



36.8135, 50.4851, 29.6436

Triad

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



42.9848, 50.4851, 21.6664



38.0495, 50.4851, 97.7138



65.7014, 50.4851, 64.6267

Complementary

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



42.9848, 50.4851, 21.6664



21.9120, 18.1321, 53.3869

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.



61.2137, 50.4851, 91.7112



42.9848, 50.4851, 21.6664



44.8631, 50.4851, 114.2223

Square

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



42.9848, 50.4851, 21.6664



34.2029, 50.4851, 71.1938



53.3577, 50.4851, 111.7506



65.0453, 50.4851, 41.4191

Rectangle

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



42.9848, 50.4851, 21.6664



34.4123, 50.4851, 39.7362



53.3577, 50.4851, 111.7506



64.7251, 50.4851, 73.6702

Sweetspot

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



42.9860, 50.4874, 21.6675



87.4395, 95.4755, 81.2746



30.7840, 24.2080, 17.2381



18.9636, 20.8313, 16.9589



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.



42.9860, 50.4874, 21.6675



75.7995, 90.5792, 30.8317



33.9794, 45.8443, 21.2460



10.8537, 11.7275, 10.7535



25.5021, 31.9756, 4.8278



1.1198, 1.3908, 0.2094

Inverse Universe

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



21.9120, 18.1321, 53.3869



32.8665, 24.6367, 95.4929



28.6770, 21.6196, 53.7035



9.5814, 9.7753, 12.6667



6.5192, 2.6212, 33.7190



0.3008, 0.1231, 1.4578

Previews

White Background



This preview shows how the XYZ color 42.9848, 50.4851, 21.6664 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 42.9848, 50.4851, 21.6664 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 42.9848, 50.4851, 21.6664

Background



This preview shows how black text looks on a background with the XYZ color 42.9848, 50.4851, 21.6664.



This preview shows how white text looks on a background with the XYZ color 42.9848, 50.4851,

21.6664.

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

42.9848, 50.4851, 21.6664

Protanopia

46.3169, 50.2724, 20.8981

Deuteranopia

51.5036, 50.4482, 22.0619



Tritanopia

50.8867, 50.5003, 60.4916

Trichromacy



Original Color

42.9848, 50.4851, 21.6664

Protanomaly

44.8867, 50.1678, 21.2275

Deuteranomaly

47.8950, 50.1199, 21.9016

Tritanomaly

47.2804, 50.2852, 42.8114

Monochromacy



Original Color

42.9848, 50.4851, 21.6664

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

43.7787, 48.2552, 38.4593

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9848, 50.4851, 21.6664 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, 194, 108)` looks like.

```
.text, #text, p{  
    color:rgb(189, 194, 108)  
}
```

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, 194, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 194, 108) }
```

Border

The CSS property to change the border of an element to XYZ 42.9848, 50.4851, 21.6664 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, 194, 108) }
```


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

```
.border{ border-color:rgb(189, 194, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 194, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 194, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 194, 108);  
box-shadow:4px 4px 4px 4px rgb(189, 194,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9848, 50.4851, 21.6664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 194, 108) }
```

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

```
.background{ background-color: rgb(189,  
194, 108) }
```

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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