

Converting Colors

XYZ(41.7249, 46.9946, 37.2048)

Have a look what the booklet for
XYZ(41.7249, 46.9946, 37.2048)
contains.

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Color

**XYZ(41.6688, 46.8827,
36.9901)**

Conversions

Conversions Part 1

Format	Color
Hex	B2BA99
RGB	178, 186, 153
RGB Percent	70%, 73%, 60%
CMY	0.3020, 0.2706, 0.4000
CMYK	0.04, 0.00, 0.18, 0.27
HSL	75°, 19%, 66%
HSV	75°, 18%, 73%
XYZ	41.6688, 46.8827, 36.9901
YIQ	179.8460, 5.8250, -11.9590

Conversions

Conversions Part 2

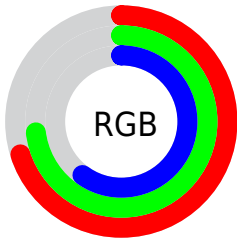
Format	Color
RYB	153, 186, 161
Decimal	11713177
CIELab	74.11, -8.59, 15.82
CIELCh	74, 18.000, 118.508
Yxy	46.8827, 0.3319, 0.3734
Android (android.graphics.Color)	4289903257 (0xFFB2BA99)
YUV	179.8460, -13.2351, -1.6189
Hunter-Lab	68.4709, -11.1959, 15.8994

Details

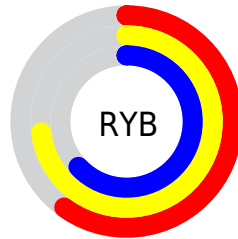
The XYZ color **41.6688, 46.8827, 36.9901** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **34.9539, 33.9060, 51.1591**, and the grayscale version is **43.3674, 45.6259, 49.6866**.

A 20% lighter version of the original color is **76.9463, 85.5017, 71.4795**, and **19.2432, 22.0943, 15.8208** is the 20% darker color. If you saturate the color by 10%, you get **39.2331, 45.7924, 29.4722**, and if you desaturate by 10%, it is **44.3806, 48.0905, 45.7729**.

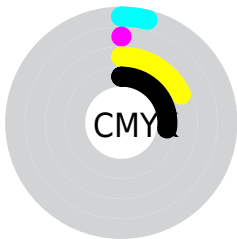
Distribution



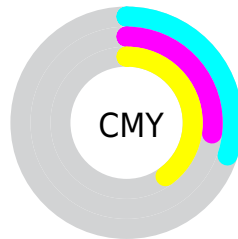
- Red (70%)
- Green (73%)
- Blue (60%)



- Red (60%)
- Yellow (73%)
- Blue (63%)



- Cyan (4%)
- Magenta (0%)
- Yellow (18%)
- Black (27%)



- Cyan (30%)
- Magenta (27%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.6688, 46.8827, 36.9901 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 41.6688, 46.8827, 36.9901 by changing the saturation by 10% instead.

■ 41.6688, 46.8827,
36.9901

■ 41.6688, 46.8827,
36.9901

344.1232,
374.3461, 348.4351

■ 29.0320, 32.9429,
24.9041

■ 76.9664, 85.5385,
71.7437

■ 19.2494, 22.0827,
15.7872

■ 100.3580,
111.0233, 95.2484

■ 11.9557, 13.9177,
9.2210

128.0652,
141.1253, 123.3964

■ 6.7855, 8.0634,
4.7868

160.4534,
176.2288, 156.6063

■ 3.3735, 4.1356,
2.0662

197.8879,
216.7183, 195.2965

■ 1.3542, 1.7497,
0.5955

240.7342,

■ 0.2232, 0.4555,

262.9780, 239.8857

0.0000

289.3575,
315.3925, 290.7924

■ 0.0000, 0.0000,
0.0000

■ 41.6688, 46.8827,
36.9901

■ 41.6688, 46.8827,
36.9901

■ 39.2331, 45.7924,
29.4722

■ 44.3806, 48.0905,
45.7729

■ 37.0583, 44.8087,
23.1581

■ 47.3753, 49.4139,
55.8722

■ 35.1335, 43.9289,
17.9857


■ 50.6644, 50.8591,
67.3403


■ 33.4453, 43.1476,
13.8866


■ 54.2573, 52.4298,
80.2256

■ 31.9788, 42.4588,
10.7848


■ 58.1630, 54.1297,
94.5745


 30.7176, 41.8557,
8.5945


 60.8050, 55.3283,
102.0824


 29.6422, 41.3307,
7.2154

 62.0680, 55.9794,
102.1415

 28.7234, 40.8721,
6.4958

 63.3671, 56.6491,
102.2023

 28.5266, 40.7733,
6.3665

 64.7028, 57.3377,
102.2648

Harmonies

Analogous

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



44.7221, 46.8827, 35.2863



41.6688, 46.8827, 36.9901



39.4841, 46.8827, 42.3290

Triad

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



41.6688, 46.8827, 36.9901



41.4022, 46.8827, 67.7196



51.0447, 46.8827, 51.5106

Complementary

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



41.6688, 46.8827, 36.9901



34.9539, 33.9060, 51.1591

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.



50.0546, 46.8827, 60.8874



41.6688, 46.8827, 36.9901



44.3995, 46.8827, 70.9163

Square

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



41.6688, 46.8827, 36.9901



39.3355, 46.8827, 59.9919



47.5832, 46.8827, 68.2788



50.2290, 46.8827, 43.0391

Rectangle

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



41.6688, 46.8827, 36.9901



38.7614, 46.8827, 47.5936



47.5832, 46.8827, 68.2788



50.9112, 46.8827, 54.6642

Sweetspot

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



41.6700, 46.8848, 36.9911



81.8311, 87.7793, 87.5943



38.6936, 38.1254, 35.4573



17.9383, 19.2941, 19.0152



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.



41.6700, 46.8848, 36.9911



73.8773, 84.2400, 61.8745



38.1699, 45.0804, 36.8273



9.5316, 10.3907, 9.6101



19.2608, 27.4656, 4.2862



0.7310, 0.9950, 0.1535

Inverse Universe

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



34.9539, 33.9060, 51.1591



59.6016, 56.6494, 91.9945



38.4328, 35.6994, 51.3219



8.7197, 8.8218, 11.3226



6.7519, 2.7919, 31.4361



0.2954, 0.1280, 1.1109

Previews

White Background



This preview shows how the XYZ color 41.6688, 46.8827, 36.9901 looks on a white background.

Color Contrast Check

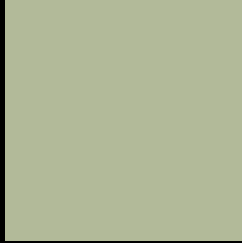
Large Text (above 18pt) WCAG AA × Fail

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 41.6688, 46.8827, 36.9901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

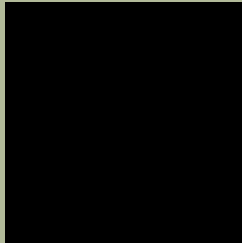
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.6688, 46.8827, 36.9901

Background



This preview shows how black text looks on a background with the XYZ color 41.6688, 46.8827, 36.9901.



This preview shows how white text looks on a background with the XYZ color 41.6688, 46.8827,

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

41.6688, 46.8827, 36.9901

Protanopia

44.0521, 46.8967, 36.0083

Deuteranopia

47.5409, 46.5818, 37.4959



Tritanopia

45.8260, 46.7279, 57.6430

Trichromacy



Original Color

41.6688, 46.8827, 36.9901

Protanomaly

43.0945, 46.6988, 36.4482

Deuteranomaly

45.2415, 46.5791, 37.1780

Tritanomaly

44.1560, 46.6557, 49.3260

Monochromacy



Original Color

41.6688, 46.8827, 36.9901

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

42.5741, 45.9419, 44.6540

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6688, 46.8827, 36.9901 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(178, 186, 153)` looks like.

```
.text, #text, p{  
    color:rgb(178, 186, 153)  
}
```

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(178, 186, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 186, 153) }
```

Border

The CSS property to change the border of an element to XYZ 41.6688, 46.8827, 36.9901 is called "border". The border property can be set on classes, ids or directly on the HTML element.

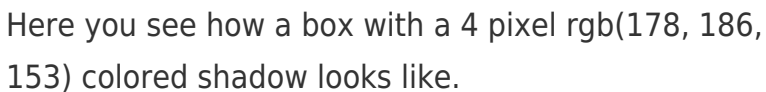
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(178, 186, 153) }
```


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

```
.border{ border-color:rgb(178, 186, 153) }
```

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



Here you see how a box with a 4 pixel `rgb(178, 186, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(178, 186, 153); -webkit-box-shadow:4px 4px 4px 4px rgb(178, 186, 153); box-shadow:4px 4px 4px 4px rgb(178, 186, 153) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6688, 46.8827, 36.9901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 186, 153) }
```

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

```
.background{ background-color: rgb(178,  
186, 153) }
```

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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