

Converting Colors

XYZ(46.9693, 52.3365, 41.9361)

Have a look what the booklet for
XYZ(46.9693, 52.3365, 41.9361)
contains.

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Color

**XYZ(47.0230, 52.4577,
41.8294)**

Conversions

Conversions Part 1

Format	Color
Hex	BDC3A2
RGB	189, 195, 162
RGB Percent	74%, 76%, 64%
CMY	0.2588, 0.2353, 0.3647
CMYK	0.03, 0.00, 0.17, 0.24
HSL	71°, 22%, 70%
HSV	71°, 17%, 76%
XYZ	47.0230, 52.4577, 41.8294
YIQ	189.4440, 7.0170, -11.5350

Conversions

Conversions Part 2

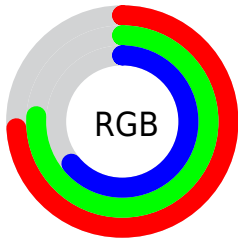
Format	Color
RYB	162, 195, 168
Decimal	12436386
CIELab	77.55, -7.80, 15.91
CIELCh	78, 17.716, 116.109
Yxy	52.4577, 0.3328, 0.3712
Android (android.graphics.Color)	4290626466 (0xFFBDC3A2)
YUV	189.4440, -13.5299, -0.3894
Hunter-Lab	72.4277, -10.8590, 16.4574

Details

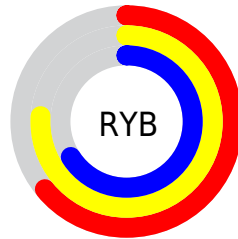
The XYZ color **47.0230, 52.4577, 41.8294** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.9212, 38.1070, 56.9367**, and the grayscale version is **48.6976, 51.2337, 55.7935**.

A 20% lighter version of the original color is **84.9910, 94.0430, 79.3183**, and **22.4927, 25.4098, 18.4709** is the 20% darker color. If you saturate the color by 10%, you get **44.5535, 51.3712, 33.3563**, and if you desaturate by 10%, it is **49.7857, 53.6674, 51.7215**.

Distribution



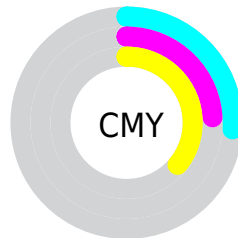
- Red (74%)
- Green (76%)
- Blue (64%)



- Red (64%)
- Yellow (76%)
- Blue (66%)



- Cyan (3%)
- Magenta (0%)
- Yellow (17%)
- Black (24%)



- Cyan (26%)
- Magenta (24%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.0230, 52.4577, 41.8294 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 47.0230, 52.4577, 41.8294 by changing the saturation by 10% instead.

■ 47.0230, 52.4577,
41.8294

■ 47.0230, 52.4577,
41.8294

365.5537,
396.2010, 369.5540

■ 33.2619, 37.3700,
28.6432

■ 84.9665, 93.8059,
79.2087

■ 22.4873, 25.4941,
18.5678

■ 109.8795,
120.8352, 104.2388

■ 14.3340, 16.4456,
11.1848

139.2406,
152.6139, 134.0539

■ 8.4366, 9.8400,
6.0755

173.4151,
189.5263, 169.0726

■ 4.4297, 5.2930,
2.8215

212.7682,
231.9568, 209.7134

■ 1.9480, 2.4202,
1.0042

257.6655,

■ 0.6045, 0.8362,

280.2898, 256.3949

0.0000

308.4722,
334.9098, 309.5356

0.0000, 0.0000,
0.0000

47.0230, 52.4577,
41.8294

47.0230, 52.4577,
41.8294

44.5535, 51.3712,
33.3563

49.7857, 53.6674,
51.7215

42.3605, 50.3961,
26.2339

52.8490, 54.9982,
63.0902

40.4319, 49.5291,
20.3931


56.2255, 56.4567,
75.9939


38.7531, 48.7645,
15.7574


59.9256, 58.0472,
90.4867

37.3078, 48.0957,
12.2424


63.2254, 59.4802,
102.7562


 36.0777, 47.5155,
9.7524


 64.2261, 59.9961,
102.8031


 35.0416, 47.0151,
8.1761

 65.2493, 60.5236,
102.8509

 34.1705, 46.5832,
7.3627

 66.2950, 61.0626,
102.8999

 33.9194, 46.4575,
7.1795

 67.3634, 61.6134,
102.9499

Harmonies

Analogous

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



50.3068, 52.4577, 40.3228



47.0230, 52.4577, 41.8294



44.6009, 52.4577, 47.2525

Triad

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



47.0230, 52.4577, 41.8294



46.2841, 52.4577, 74.2082



56.7075, 52.4577, 58.4042

Complementary

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



47.0230, 52.4577, 41.8294



38.9212, 38.1070, 56.9367

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.



55.5159, 52.4577, 68.2681



47.0230, 52.4577, 41.8294



49.4148, 52.4577, 78.0276

Square

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



47.0230, 52.4577, 41.8294



44.1882, 52.4577, 65.8069



52.8078, 52.4577, 75.7393



55.9964, 52.4577, 49.2289

Rectangle

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



47.0230, 52.4577, 41.8294



43.7483, 52.4577, 52.7172



52.8078, 52.4577, 75.7393



56.5148, 52.4577, 61.7561

Sweetspot

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



47.0244, 52.4600, 41.8305



90.1339, 96.5372, 96.1868



42.9396, 42.0332, 40.0333



19.6553, 21.1045, 20.7592



0.0000, 0.0000, 0.0000



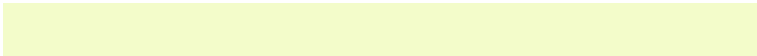
20.3446, 21.4041, 23.3091

Same Dimension

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



47.0244, 52.4600, 41.8305



82.6614, 93.2680, 69.4981



43.2721, 50.5256, 41.6549



10.7279, 11.6627, 10.7476



22.1097, 30.2268, 4.6691



1.0032, 1.3307, 0.2040

Inverse Universe

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



38.9212, 38.1070, 56.9367



65.6589, 63.1495, 101.1983



42.5396, 39.9724, 57.1060



9.6954, 9.8342, 12.6720



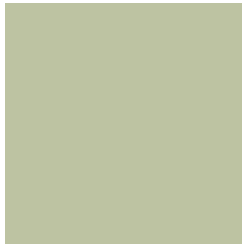
6.9153, 2.8254, 33.7375



0.3521, 0.1496, 1.4602

Previews

White Background



This preview shows how the XYZ color 47.0230, 52.4577, 41.8294 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 47.0230, 52.4577, 41.8294 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

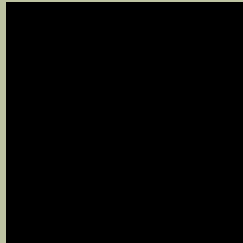
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

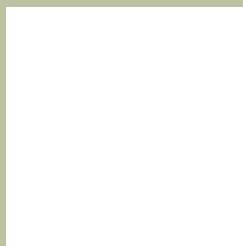
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.0230, 52.4577, 41.8294

Background



This preview shows how black text looks on a background with the XYZ color 47.0230, 52.4577, 41.8294.



This preview shows how white text looks on a background with the XYZ color 47.0230, 52.4577,

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

47.0230, 52.4577, 41.8294

Protanopia

49.3331, 52.3562, 40.7633

Deuteranopia

53.3565, 52.1770, 42.3809



Tritanopia

51.6024, 52.3569, 64.5129

Trichromacy



Original Color

47.0230, 52.4577, 41.8294

Protanomaly

48.3086, 52.1428, 41.2366

Deuteranomaly

50.8886, 52.1661, 42.0373

Tritanomaly

49.8084, 52.2732, 55.6087

Monochromacy



Original Color

47.0230, 52.4577, 41.8294

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.7538, 51.3351, 50.0396

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0230, 52.4577, 41.8294 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, 195, 162)` looks like.

```
.text, #text, p{  
    color:rgb(189, 195, 162)  
}
```

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, 195, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 195, 162) }
```

Border

The CSS property to change the border of an element to XYZ 47.0230, 52.4577, 41.8294 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, 195, 162) }
```


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

```
.border{ border-color:rgb(189, 195, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 195, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 195, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 195, 162);  
box-shadow:4px 4px 4px 4px rgb(189, 195,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0230, 52.4577, 41.8294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 195, 162) }
```

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

```
.background{ background-color: rgb(189,  
195, 162) }
```

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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