

Converting Colors

XYZ(45.6286, 52.8487, 41.7208)

Have a look what the booklet for
XYZ(45.6286, 52.8487, 41.7208)
contains.

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Color

**XYZ(45.4495, 52.6647,
41.4881)**

Conversions

Conversions Part 1

Format	Color
Hex	B4C6A1
RGB	180, 198, 161
RGB Percent	71%, 78%, 63%
CMY	0.2941, 0.2235, 0.3686
CMYK	0.09, 0.00, 0.19, 0.22
HSL	89°, 25%, 70%
HSV	89°, 19%, 78%
XYZ	45.4495, 52.6647, 41.4881
YIQ	188.4000, 1.1490, -15.3230

Conversions

Conversions Part 2

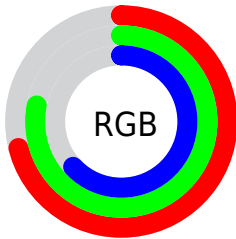
Format	Color
RYB	161, 198, 179
Decimal	11847329
CIELab	77.68, -12.79, 16.52
CIELCh	78, 20.889, 127.747
Yxy	52.6647, 0.3256, 0.3772
Android (android.graphics.Color)	4290037409 (0xFFB4C6A1)
YUV	188.4000, -13.5082, -7.3668
Hunter-Lab	72.5704, -15.2071, 16.9036

Details

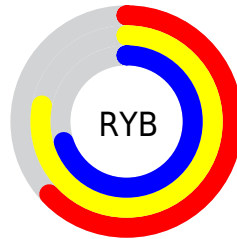
The XYZ color **45.4495, 52.6647, 41.4881** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **41.5305, 39.1522, 58.7972**, and the grayscale version is **48.1027, 50.6078, 55.1119**.

A 20% lighter version of the original color is **82.7467, 94.3107, 78.8083**, and **21.4860, 25.5627, 18.2697** is the 20% darker color. If you saturate the color by 10%, you get **41.6748, 50.9064, 32.9073**, and if you desaturate by 10%, it is **49.6595, 54.6186, 51.5348**.

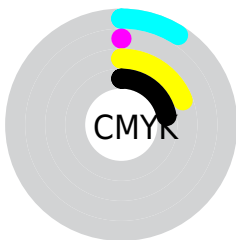
Distribution



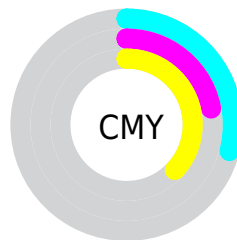
- Red (71%)
- Green (78%)
- Blue (63%)



- Red (63%)
- Yellow (78%)
- Blue (70%)



- Cyan (9%)
- Magenta (0%)
- Yellow (19%)
- Black (22%)





- Cyan (29%)
- Magenta (22%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4495, 52.6647, 41.4881 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 45.4495, 52.6647, 41.4881 by changing the saturation by 10% instead.


 45.4495, 52.6647,
41.4881


 45.4495, 52.6647,
41.4881

359.3442,
396.9974, 368.0934

 32.0144, 37.5352,
28.3781


 82.6274, 94.1108,
78.6860

 21.5281, 25.6221,
18.3694


 107.1010,
121.1961, 103.6110

 13.6252, 16.5412,
11.0433


135.9848,
153.0356, 133.3114

 7.9404, 9.9079,
5.9814

169.6441,
190.0134, 168.2057

 4.1083, 5.3379,
2.7652

208.4444,
232.5142, 208.7125

 1.7636, 2.4469,
0.9760

252.7509,

 0.4956, 0.8498,

280.9221, 255.2504

0.0000

302.9290,
335.6217, 308.2378

■ 0.0000, 0.0000,
0.0000

■ 45.4495, 52.6647,
41.4881

■ 45.4495, 52.6647,
41.4881

■ 41.6748, 50.9064,
32.9073

■ 49.6595, 54.6186,
51.5348

■ 38.3151, 49.3300,
25.7205

■ 54.3157, 56.7676,
63.1081

■ 35.3545, 47.9305,
19.8548

■ 59.4339, 59.1202,
76.2693

■ 32.7742, 46.7000,
15.2294

■ 65.0279, 61.6820,
91.0752

■ 30.5539, 45.6300,
11.7545

■ 70.2943, 64.1323,
103.2816

■ 28.6706, 44.7109,
9.3282

■ 73.4396, 65.7537,
103.4288

■ 27.0978, 43.9316,
7.8308

■ 76.7579, 67.4644,
103.5841

■ 25.7947, 43.2754,
7.0681

■ 79.4852, 68.8703,
103.7117

■ 25.6367, 43.1955,
6.9864

Harmonies

Analogous

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



49.0163, 52.6647, 38.0017



45.4495, 52.6647, 41.4881



43.2050, 52.6647, 49.3232

Triad

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



45.4495, 52.6647, 41.4881



47.1715, 52.6647, 80.4977



58.1553, 52.6647, 54.3958

Complementary

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



45.4495, 52.6647, 41.4881



41.5305, 39.1522, 58.7972

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.



57.5960, 52.6647, 66.1879



45.4495, 52.6647, 41.4881



51.1107, 52.6647, 82.3344

Square

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



45.4495, 52.6647, 41.4881



44.1612, 52.6647, 72.0698



54.9642, 52.6647, 76.7959



56.4537, 52.6647, 44.7727

Rectangle

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



45.4495, 52.6647, 41.4881



42.6880, 52.6647, 56.4726



54.9642, 52.6647, 76.7959



58.2270, 52.6647, 58.2221

Sweetspot

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



45.4509, 52.6670, 41.4892



89.9977, 97.6688, 96.3132



45.8205, 46.7744, 40.3324



19.1493, 20.8525, 20.3349



0.0000, 0.0000, 0.0000



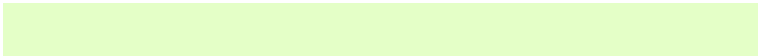
20.3446, 21.4041, 23.3091

Same Dimension

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



45.4509, 52.6670, 41.4892



77.9583, 92.0845, 67.6372



41.4512, 50.6051, 41.3021



11.0081, 12.1511, 11.3280



16.7705, 28.1408, 4.5478



0.8775, 1.3755, 0.2192

Inverse Universe

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



41.5305, 39.1522, 58.7972



69.8759, 64.2213, 103.3208



46.0665, 41.4905, 59.0095



10.5397, 10.5365, 13.3957



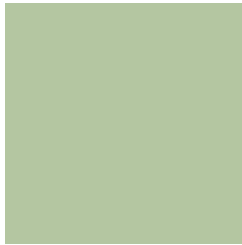
9.8871, 4.3312, 35.0593



0.5517, 0.2482, 1.6640

Previews

White Background



This preview shows how the XYZ color 45.4495, 52.6647, 41.4881 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 45.4495, 52.6647, 41.4881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

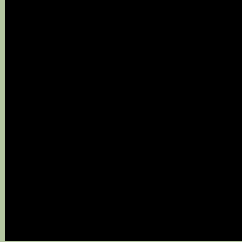
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.4495, 52.6647, 41.4881

Background



This preview shows how black text looks on a background with the XYZ color 45.4495, 52.6647, 41.4881.



This preview shows how white text looks on a background with the XYZ color 45.4495, 52.6647,

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

45.4495, 52.6647, 41.4881

Protanopia

49.4310, 52.4267, 39.8618

Deuteranopia

53.3565, 52.1770, 42.3809



Tritanopia

50.6056, 52.7691, 66.5497

Trichromacy



Original Color

45.4495, 52.6647, 41.4881

Protanomaly

48.0555, 52.6889, 40.4381

Deuteranomaly

49.9853, 52.0187, 42.0564

Tritanomaly

48.3532, 52.4916, 56.2986

Monochromacy



Original Color

45.4495, 52.6647, 41.4881

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

46.8931, 51.2279, 49.5359

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4495, 52.6647, 41.4881 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(180, 198, 161)` looks like.

```
.text, #text, p{  
    color:rgb(180, 198, 161)  
}
```

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(180, 198, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 198, 161) }
```

Border

The CSS property to change the border of an element to XYZ 45.4495, 52.6647, 41.4881 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(180, 198, 161) }
```


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

```
.border{ border-color:rgb(180, 198, 161) }
```

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

Here you see how a box with a 4 pixel rgb(180, 198, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 198, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 198, 161);  
box-shadow:4px 4px 4px 4px rgb(180, 198,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4495, 52.6647, 41.4881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 198, 161) }
```

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

```
.background{ background-color: rgb(180,  
198, 161) }
```

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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