

Converting Colors

XYZ(45.3306, 52.4787, 31.7865)

Have a look what the booklet for
XYZ(45.3306, 52.4787, 31.7865)
contains.

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Color

**XYZ(45.2927, 52.4588,
31.7831)**

Conversions

Conversions Part 1

Format	Color
Hex	BCC58A
RGB	188, 197, 138
RGB Percent	74%, 77%, 54%
CMY	0.2627, 0.2274, 0.4588
CMYK	0.05, 0.00, 0.30, 0.23
HSL	69°, 34%, 66%
HSV	69°, 30%, 77%
XYZ	45.2927, 52.4588, 31.7831
YIQ	187.5830, 13.5750, -20.2570

Conversions

Conversions Part 2

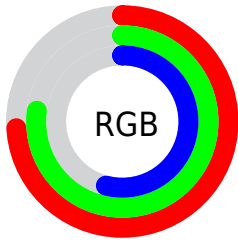
Format	Color
RYB	138, 197, 147
Decimal	12371338
CIELab	77.55, -12.71, 28.63
CIELCh	78, 31.325, 113.940
Yxy	52.4588, 0.3497, 0.4050
Android (android.graphics.Color)	4290561418 (0xFFBCC58A)
YUV	187.5830, -24.4444, 0.3657
Hunter-Lab	72.4284, -15.1259, 24.6822

Details

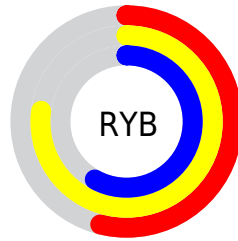
The XYZ color **45.2927, 52.4588, 31.7831** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **31.2011, 28.4126, 56.6659**, and the grayscale version is **47.6933, 50.1771, 54.6428**.

A 20% lighter version of the original color is **82.6124, 94.1019, 63.6785**, and **21.3743, 25.4014, 12.7932** is the 20% darker color. If you saturate the color by 10%, you get **43.2614, 51.5634, 24.9062**, and if you desaturate by 10%, it is **47.6009, 53.4703, 40.0255**.

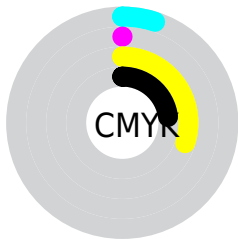
Distribution



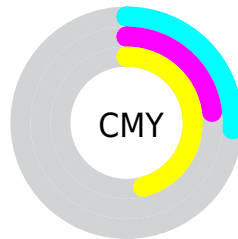
- Red (74%)
- Green (77%)
- Blue (54%)



- Red (54%)
- Yellow (77%)
- Blue (58%)



- Cyan (5%)
- Magenta (0%)
- Yellow (30%)
- Black (23%)



- Cyan (26%)
- Magenta (23%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.2927, 52.4588, 31.7831 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 45.2927, 52.4588, 31.7831 by changing the saturation by 10% instead.

■ 45.2927, 52.4588,
31.7831

■ 45.2927, 52.4588,
31.7831

358.7215,
396.2053, 324.5922

■ 31.8903, 37.3709,
20.9324

■ 82.3938, 93.8075,
63.5649

■ 21.4329, 25.4948,
12.8839

■ 106.8233,
120.8371, 85.3330

■ 13.5550, 16.4461,
7.2188

■ 135.6591,
152.6161, 111.5775

■ 7.8915, 9.8404,
3.5188

169.2667,
189.5289, 142.7167

■ 4.0768, 5.2932,
1.3653

208.0113,
231.9597, 179.1692

■ 1.7457, 2.4203,
0.1144

252.2585,

■ 0.4846, 0.8363,

280.2932, 221.3536

0.0000

302.3734,
334.9136, 269.6885

■ 0.0000, 0.0000,
0.0000

■ 45.2927, 52.4588,
31.7831

■ 45.2927, 52.4588,
31.7831

■ 43.2614, 51.5634,
24.9062

■ 47.6009, 53.4703,
40.0255

■ 41.4888, 50.7715,
19.3178

■ 50.1949, 54.5962,
49.6984

■ 39.9609, 50.0792,
14.9382


■ 53.0884, 55.8437,
60.8662


■ 38.6606, 49.4796,
11.6778


■ 56.2927, 57.2173,
73.5890


■ 37.5683, 48.9651,
9.4343


■ 59.8186, 58.7213,
87.9231


 36.6610, 48.5262,
8.0867


 63.4819, 60.2822,
102.8975

 35.8946, 48.1455,
7.4040

 64.3249, 60.7167,
102.9370

 35.8909, 48.1436,
7.4010

 65.1839, 61.1596,
102.9772

 66.0590, 61.6107,
103.0181

Harmonies

Analogous

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



51.0974, 52.4588, 30.0064



45.2927, 52.4588, 31.7831



41.0449, 52.4588, 39.6843

Triad

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



45.2927, 52.4588, 31.7831



43.3288, 52.4588, 88.4642



62.3306, 52.4588, 60.7046

Complementary

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



45.2927, 52.4588, 31.7831



31.2011, 28.4126, 56.6659

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.



59.8559, 52.4588, 79.0316



45.2927, 52.4588, 31.7831



48.6438, 52.4588, 97.0118

Square

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



45.2927, 52.4588, 31.7831



39.9768, 52.4588, 71.7137



54.7256, 52.4588, 93.2511



61.2523, 52.4588, 44.6518

Rectangle

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



45.2927, 52.4588, 31.7831



39.5073, 52.4588, 48.3982



54.7256, 52.4588, 93.2511



61.8808, 52.4588, 66.8284

Sweetspot

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



45.2940, 52.4611, 31.7842



90.2957, 97.9508, 90.5285



38.0256, 34.5275, 28.7058



19.1716, 20.8983, 18.7867



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.



45.2940, 52.4611, 31.7842



78.6611, 92.8706, 48.5243



38.7843, 49.1052, 31.4796



11.3587, 12.3319, 11.3444



23.6626, 31.6938, 4.8704



1.1646, 1.5235, 0.2327

Inverse Universe

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



31.2011, 28.4126, 56.6659



49.3620, 42.8572, 100.2784



37.1519, 31.4803, 56.9444



10.2049, 10.3639, 13.3801



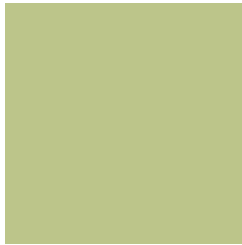
7.0274, 2.8570, 34.9254



0.3821, 0.1607, 1.6560

Previews

White Background



This preview shows how the XYZ color 45.2927, 52.4588, 31.7831 looks on a white background.

Color Contrast Check

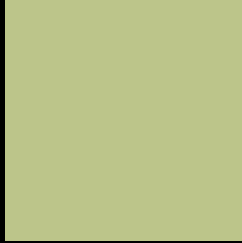
Large Text (above 18pt) WCAG AA × Fail

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 45.2927, 52.4588, 31.7831 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

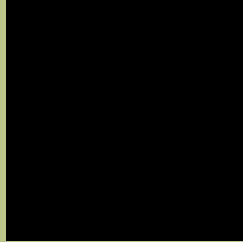
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.2927, 52.4588, 31.7831

Background



This preview shows how black text looks on a background with the XYZ color 45.2927, 52.4588, 31.7831.



This preview shows how white text looks on a background with the XYZ color 45.2927, 52.4588,

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

45.2927, 52.4588, 31.7831

Protanopia

48.5283, 52.1610, 30.8029

Deuteranopia

53.1052, 51.9588, 32.4294



Tritanopia

52.0030, 52.5773, 63.9075

Trichromacy



Original Color

45.2927, 52.4588, 31.7831

Protanomaly

47.1385, 52.0882, 31.2365

Deuteranomaly

49.8682, 51.8569, 32.1920

Tritanomaly

49.2345, 52.4233, 50.1716

Monochromacy



Original Color

45.2927, 52.4588, 31.7831

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

46.6255, 50.8552, 45.3888

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2927, 52.4588, 31.7831 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(188, 197, 138)` looks like.

```
.text, #text, p{  
    color:rgb(188, 197, 138)  
}
```

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(188, 197, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 197, 138) }
```

Border

The CSS property to change the border of an element to XYZ 45.2927, 52.4588, 31.7831 is called "border". The border property can be set on classes, ids or directly on the HTML element.

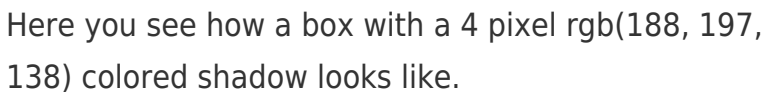
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 197, 138) }
```


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

```
.border{ border-color:rgb(188, 197, 138) }
```

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



Here you see how a box with a 4 pixel `rgb(188, 197, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(188, 197, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(188, 197, 138); box-shadow:4px 4px 4px 4px rgb(188, 197, 138) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2927, 52.4588, 31.7831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 197, 138) }
```

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

```
.background{ background-color: rgb(188,  
197, 138) }
```

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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