

Converting Colors

XYZ(49.7812, 57.7558, 45.5705)

Have a look what the booklet for
XYZ(49.7812, 57.7558, 45.5705)
contains.

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Color

**XYZ(49.6327, 57.5346,
45.5351)**

Conversions

Conversions Part 1

Format	Color
Hex	BBCEA8
RGB	187, 206, 168
RGB Percent	73%, 81%, 66%
CMY	0.2667, 0.1921, 0.3412
CMYK	0.09, 0.00, 0.18, 0.19
HSL	90°, 28%, 73%
HSV	90°, 18%, 81%
XYZ	49.6327, 57.5346, 45.5351
YIQ	195.9870, 0.8740, -15.8460

Conversions

Conversions Part 2

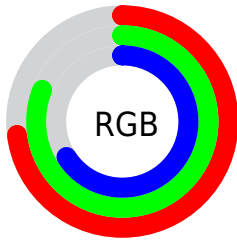
Format	Color
RYB	168, 206, 187
Decimal	12308136
CIELab	80.48, -13.22, 16.78
CIElCh	80, 21.364, 128.238
Yxy	57.5346, 0.3250, 0.3768
Android (android.graphics.Color)	4290498216 (0xFFBBCEA8)
YUV	195.9870, -13.7976, -7.8816
Hunter-Lab	75.8516, -15.9406, 17.5032

Details

The XYZ color **49.6327, 57.5346, 45.5351** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **45.6391, 43.0279, 64.2954**, and the grayscale version is **52.5427, 55.2790, 60.1988**.

A 20% lighter version of the original color is **86.0414, 95.9024, 83.7882**, and **24.2121, 28.7858, 20.8031** is the 20% darker color. If you saturate the color by 10%, you get **45.4335, 55.5760, 36.1017**, and if you desaturate by 10%, it is **54.3199, 59.7130, 56.5808**.

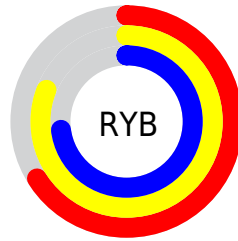
Distribution



Red (73%)

Green (81%)

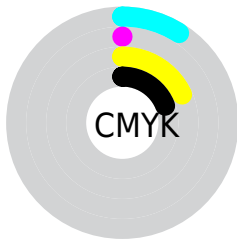
Blue (66%)



Red (66%)

Yellow (81%)

Blue (73%)

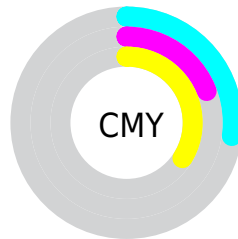


Cyan (9%)

Magenta (0%)

Yellow (18%)

Black (19%)



Cyan (27%)

Magenta (19%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6327, 57.5346, 45.5351 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 49.6327, 57.5346, 45.5351 by changing the saturation by 10% instead.

■ 49.6327, 57.5346,
45.5351

■ 49.6327, 57.5346,
45.5351

375.7036,
415.4495, 385.1596

■ 35.3382, 41.4346,
31.5331

■ 88.8255, 101.2448,
84.8497

■ 24.0913, 28.6588,
20.7433

■ 114.4546,
129.6238, 110.9995

■ 15.5264, 18.8229,
12.7471

144.5926,
162.8647, 142.0355

■ 9.2784, 11.5424,
7.1259

179.6048,
201.3517, 178.3764

■ 4.9818, 6.4329,
3.4613

219.8567,
245.4693, 220.4408

■ 2.2712, 3.1100,
1.3348

265.7135,

■ 0.7799, 1.1895,

295.6018, 268.6470

0.0900

317.5407,
352.1338, 323.4138

■ 0.0000, 0.0531,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.6327, 57.5346,
45.5351

■ 49.6327, 57.5346,
45.5351

■ 45.4335, 55.5760,
36.1017

■ 54.3199, 59.7130,
56.5808

■ 41.6996, 53.8221,
28.2015

■ 59.5074, 62.1111,
69.3055

■ 38.4133, 52.2673,
21.7543

■ 65.2130, 64.7380,
83.7766

■ 35.5536, 50.9026,
16.6711

■ 71.4519, 67.6004,
100.0569

■ 33.0977, 49.7185,
12.8531

■ 75.5535, 69.6303,
104.0656

■ 31.0200, 48.7042,
10.1883

■ 79.1219, 71.4699,
104.2326

■ 29.2910, 47.8474,
8.5449

■ 81.3625, 72.6250,
104.3375

■ 27.8674, 47.1304,
7.7201

■ 27.6647, 47.0279,
7.6192

Harmonies

Analogous

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



53.4862, 57.5346, 41.6650



49.6327, 57.5346, 45.5351



47.2251, 57.5346, 54.1158

Triad

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



49.6327, 57.5346, 45.5351



51.6193, 57.5346, 87.8425



63.4572, 57.5346, 59.2502

Complementary

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



49.6327, 57.5346, 45.5351



45.6391, 43.0279, 64.2954

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.



62.8916, 57.5346, 72.0272



49.6327, 57.5346, 45.5351



55.9014, 57.5346, 89.6985

Square

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



49.6327, 57.5346, 45.5351



48.3287, 57.5346, 78.8035



60.0688, 57.5346, 83.5806



61.5754, 57.5346, 48.8623

Rectangle

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



49.6327, 57.5346, 45.5351



46.6861, 57.5346, 61.9061



60.0688, 57.5346, 83.5806



63.5489, 57.5346, 63.3906

Sweetspot

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



49.6342, 57.5371, 45.5363



89.9246, 97.6311, 96.3098



50.2940, 51.4918, 44.3347



19.1321, 20.8436, 20.3341



0.0000, 0.0000, 0.0000



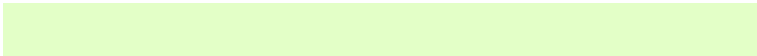
20.3446, 21.4041, 23.3091

Same Dimension

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



49.6342, 57.5371, 45.5363



77.7188, 91.9610, 67.6260



45.2893, 55.2972, 45.3330



11.5934, 12.8078, 11.9406



17.1461, 29.0144, 4.6967



0.9721, 1.5419, 0.2464

Inverse Universe

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



45.6391, 43.0279, 64.2954



70.1144, 64.3442, 103.3320



50.5991, 45.5849, 64.5276



11.1273, 11.1149, 14.1293



10.4173, 4.5778, 36.2908



0.6250, 0.2813, 1.8763

Previews

White Background



This preview shows how the XYZ color 49.6327, 57.5346, 45.5351 looks on a white background.

Color Contrast Check

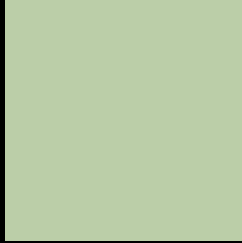
Large Text (above 18pt) WCAG AA × Fail

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 49.6327, 57.5346, 45.5351 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

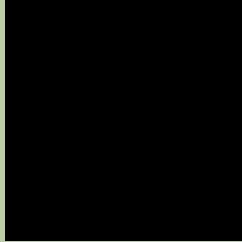
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.6327, 57.5346, 45.5351

Background



This preview shows how black text looks on a background with the XYZ color 49.6327, 57.5346, 45.5351.



This preview shows how white text looks on a background with the XYZ color 49.6327, 57.5346, 45.5351.

45.5351.

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

49.6327, 57.5346, 45.5351

Protanopia

54.0789, 57.4123, 43.8287

Deuteranopia

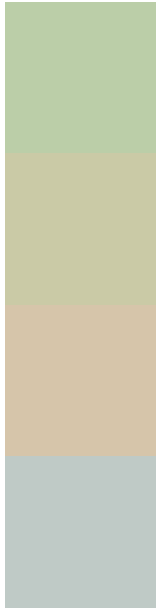
58.5134, 57.2976, 46.5036



Tritanopia

54.9373, 57.2225, 72.4395

Trichromacy



Original Color

49.6327, 57.5346, 45.5351

Protanomaly

52.3606, 57.5508, 44.4251

Deuteranomaly

54.9535, 57.1309, 46.1612

Tritanomaly

52.7994, 57.3946, 61.7215

Monochromacy



Original Color

49.6327, 57.5346, 45.5351

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

51.5095, 56.1912, 54.5855

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6327, 57.5346, 45.5351 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(187, 206, 168)` looks like.

```
.text, #text, p{  
    color:rgb(187, 206, 168)  
}
```

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(187, 206, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 206, 168) }
```

Border

The CSS property to change the border of an element to XYZ 49.6327, 57.5346, 45.5351 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(187, 206, 168) }
```


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

```
.border{ border-color:rgb(187, 206, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 206, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 206, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 206, 168);  
box-shadow:4px 4px 4px 4px rgb(187, 206,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6327, 57.5346, 45.5351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 206, 168) }
```

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

```
.background{ background-color: rgb(187,  
206, 168) }
```

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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