

Converting Colors

XYZ(48.2983, 54.1538, 45.5126)

Have a look what the booklet for
XYZ(48.2983, 54.1538, 45.5126)
contains.

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Color

**XYZ(48.0946, 53.9441,
45.4135)**

Conversions

Conversions Part 1

Format	Color
Hex	BCC6A9
RGB	188, 198, 169
RGB Percent	74%, 78%, 66%
CMY	0.2627, 0.2235, 0.3372
CMYK	0.05, 0.00, 0.15, 0.22
HSL	81°, 20%, 72%
HSV	81°, 15%, 78%
XYZ	48.0946, 53.9441, 45.4135
YIQ	191.7040, 3.3490, -11.1390

Conversions

Conversions Part 2

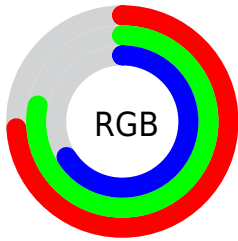
Format	Color
RYB	169, 198, 179
Decimal	12371625
CIELab	78.43, -8.59, 13.38
CIELCh	78, 15.898, 122.699
Yxy	53.9441, 0.3262, 0.3658
Android (android.graphics.Color)	4290561705 (0xFFBCC6A9)
YUV	191.7040, -11.1931, -3.2484
Hunter-Lab	73.4466, -11.6456, 14.7525

Details

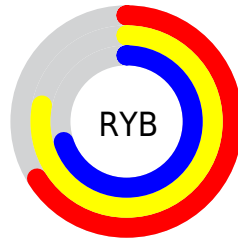
The XYZ color **48.0946, 53.9441, 45.4135** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **42.9734, 42.0383, 59.2782**, and the grayscale version is **49.9934, 52.5969, 57.2781**.

A 20% lighter version of the original color is **86.5228, 96.1349, 84.5167**, and **23.1758, 26.3818, 20.7003** is the 20% darker color. If you saturate the color by 10%, you get **44.7324, 52.4112, 36.2767**, and if you desaturate by 10%, it is **51.8209, 55.6354, 56.0390**.

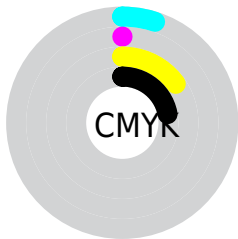
Distribution



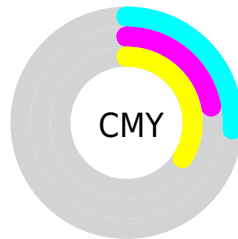
- Red (74%)
- Green (78%)
- Blue (66%)



- Red (66%)
- Yellow (78%)
- Blue (70%)



- Cyan (5%)
- Magenta (0%)
- Yellow (15%)
- Black (22%)



- Cyan (26%)
- Magenta (22%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.0946, 53.9441, 45.4135 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 48.0946, 53.9441, 45.4135 by changing the saturation by 10% instead.

■ 48.0946, 53.9441,
45.4135

■ 48.0946, 53.9441,
45.4135

369.7433,
401.8968, 384.6545

■ 34.1134, 38.5570,
31.4379

■ 86.5541, 95.9922,
84.6656

■ 23.1440, 26.4153,
20.6713

111.7630,
123.4219, 110.7792

■ 14.8212, 17.1346,
12.6950

141.4453,
155.6346, 141.7759

■ 8.7795, 10.3305,
7.0906

175.9662,
193.0147, 178.0742

■ 4.6536, 5.6186,
3.4395

215.6911,
235.9466, 220.0926

■ 2.0781, 2.6146,
1.3232

260.9853,

■ 0.6773, 0.9340,

284.8146, 268.2498

0.0807

312.2143,
340.0032, 322.9643

■ 0.0000, 0.0000,
0.0000

■ 48.0946, 53.9441,
45.4135

■ 48.0946, 53.9441,
45.4135

■ 44.7324, 52.4112,
36.2767

■ 51.8209, 55.6354,
56.0390

■ 41.7162, 51.0240,
28.5587

■ 55.9198, 57.4833,
68.2120

■ 39.0328, 49.7789,
22.1890

■ 60.4050, 59.4951,
81.9925

■ 36.6663, 48.6693,
17.0898

■ 65.2881, 61.6757,
97.4361

■ 34.5993, 47.6882,
13.1754

■ 68.4148, 63.1633,
103.1936

■ 32.8122, 46.8276,
10.3494

■ 70.5512, 64.2647,
103.2936

■ 31.2827, 46.0785,
8.5004

■ 72.7733, 65.4102,
103.3976

■ 29.9839, 45.4299,
7.4931

■ 75.0820, 66.6004,
103.5057

■ 29.3567, 45.1133,
7.1605

■ 77.4784, 67.8358,
103.6178

Harmonies

Analogous

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



50.9899, 53.9441, 43.1705



48.0946, 53.9441, 45.4135



46.1166, 53.9441, 51.1920

Triad

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



48.0946, 53.9441, 45.4135



48.5656, 53.9441, 75.3909



57.5108, 53.9441, 57.9296

Complementary

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



48.0946, 53.9441, 45.4135



42.9734, 42.0383, 59.2782

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.



56.7985, 53.9441, 66.9869



48.0946, 53.9441, 45.4135



51.5556, 53.9441, 77.6544

Square

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



48.0946, 53.9441, 45.4135



46.3807, 53.9441, 68.5302



54.5869, 53.9441, 74.4381



56.4962, 53.9441, 49.9224

Rectangle

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



48.0946, 53.9441, 45.4135



45.5408, 53.9441, 56.5762



54.5869, 53.9441, 74.4381



57.4654, 53.9441, 60.9500

Sweetspot

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



48.0960, 53.9464, 45.4147



92.1684, 98.6992, 100.4193



46.5054, 46.9788, 44.1536



19.6145, 21.0744, 21.1634



0.0000, 0.0000, 0.0000



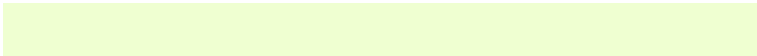
20.3446, 21.4041, 23.3091

Same Dimension

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



48.0960, 53.9464, 45.4147



82.9345, 94.5085, 74.2574



44.7756, 52.2347, 45.2593



11.1550, 12.2268, 11.3348



19.1853, 29.3857, 4.6608



0.9841, 1.4304, 0.2242

Inverse Universe

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



42.9734, 42.0383, 59.2782



71.9050, 68.8666, 104.1105



46.4177, 43.8139, 59.4394



10.3959, 10.4624, 13.3890



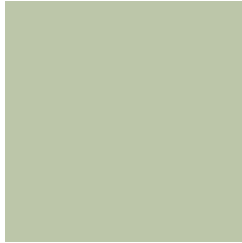
8.2759, 3.5006, 34.9839



0.4699, 0.2060, 1.6601

Previews

White Background



This preview shows how the XYZ color 48.0946, 53.9441, 45.4135 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 48.0946, 53.9441, 45.4135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

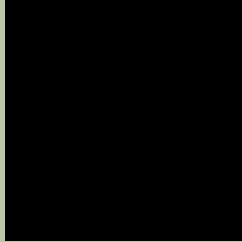
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

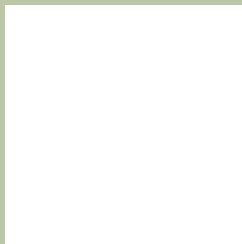
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.0946, 53.9441, 45.4135

Background



This preview shows how black text looks on a background with the XYZ color 48.0946, 53.9441, 45.4135.



This preview shows how white text looks on a background with the XYZ color 48.0946, 53.9441,

45.4135.

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

48.0946, 53.9441, 45.4135

Protanopia

50.9469, 53.7673, 44.2522

Deuteranopia

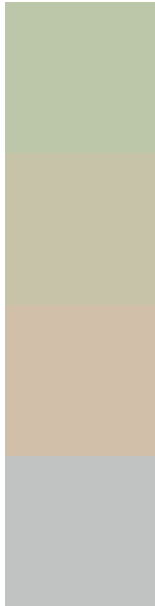
54.9398, 53.8531, 46.0271



Tritanopia

52.7033, 54.1633, 67.3513

Trichromacy



Original Color

48.0946, 53.9441, 45.4135

Protanomaly

49.8717, 53.8631, 44.8139

Deuteranomaly

52.1810, 53.7192, 45.6488

Tritanomaly

50.9909, 54.1317, 58.7999

Monochromacy



Original Color

48.0946, 53.9441, 45.4135

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.4294, 53.1206, 52.9955

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0946, 53.9441, 45.4135 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, 198, 169)` looks like.

```
.text, #text, p{  
    color:rgb(188, 198, 169)  
}
```

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, 198, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 198, 169) }
```

Border

The CSS property to change the border of an element to XYZ 48.0946, 53.9441, 45.4135 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, 198, 169) }
```


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

```
.border{ border-color:rgb(188, 198, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 198, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 198, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 198, 169);  
box-shadow:4px 4px 4px 4px rgb(188, 198,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0946, 53.9441, 45.4135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 198, 169) }
```

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

```
.background{ background-color: rgb(188,  
198, 169) }
```

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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