

Converting Colors

XYZ(48.6403, 54.4789, 47.0995)

Have a look what the booklet for
XYZ(48.6403, 54.4789, 47.0995)
contains.

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Color

**XYZ(48.6089, 54.5168,
46.9906)**

Conversions

Conversions Part 1

Format	Color
Hex	BCC7AC
RGB	188, 199, 172
RGB Percent	74%, 78%, 67%
CMY	0.2627, 0.2196, 0.3255
CMYK	0.06, 0.00, 0.14, 0.22
HSL	84°, 19%, 73%
HSV	84°, 14%, 78%
XYZ	48.6089, 54.5168, 46.9906
YIQ	192.6330, 2.1110, -10.7290

Conversions

Conversions Part 2

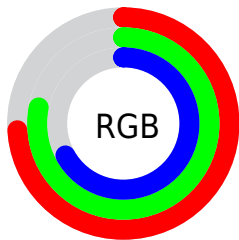
Format	Color
RYB	172, 199, 183
Decimal	12371884
CIELab	78.76, -8.61, 12.24
CIElCh	79, 14.966, 125.114
Yxy	54.5168, 0.3238, 0.3632
Android (android.graphics.Color)	4290561964 (0xFFBCC7AC)
YUV	192.6330, -10.1721, -4.0631
Hunter-Lab	73.8355, -11.6983, 13.9513

Details

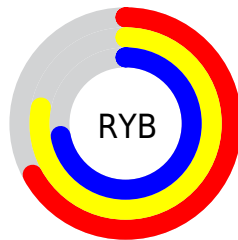
The XYZ color **48.6089, 54.5168, 46.9906** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **44.5919, 43.6974, 60.1199**, and the grayscale version is **50.5314, 53.1629, 57.8944**.

A 20% lighter version of the original color is **86.9334, 96.2991, 86.6788**, and **23.5072, 26.7578, 21.6951** is the 20% darker color. If you saturate the color by 10%, you get **44.8975, 52.8097, 37.5762**, and if you desaturate by 10%, it is **52.7218, 56.4011, 57.9201**.

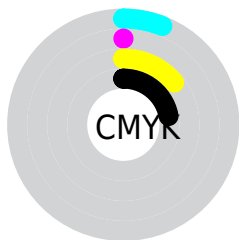
Distribution



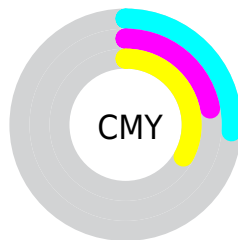
- Red (74%)
- Green (78%)
- Blue (67%)



- Red (67%)
- Yellow (78%)
- Blue (72%)



- Cyan (6%)
- Magenta (0%)
- Yellow (14%)
- Black (22%)



- Cyan (26%)
- Magenta (22%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.6089, 54.5168, 46.9906 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 48.6089, 54.5168, 46.9906 by changing the saturation by 10% instead.

■ 48.6089, 54.5168,
46.9906

■ 48.6089, 54.5168,
46.9906

371.7432,
404.0777, 391.1697

■ 34.5226, 39.0150,
32.6739

■ 87.3145, 96.8326,
87.0494

■ 23.4601, 26.7714,
21.6077

112.6646,
124.4154, 113.6287

■ 15.0562, 17.4016,
13.3734

142.4999,
156.7940, 145.1325

■ 8.9454, 10.5212,
7.5524

177.1858,
194.3528, 181.9795

■ 4.7624, 5.7459,
3.7263

217.0878,
237.4762, 224.5882

■ 2.1419, 2.6912,
1.4764

262.5711,

■ 0.7118, 0.9727,

286.5485, 273.3771

0.2003

314.0011,
341.9542, 328.7647

■ 0.0000, 0.0000,
0.0000

■ 48.6089, 54.5168,
46.9906

■ 48.6089, 54.5168,
46.9906

■ 44.8975, 52.8097,
37.5762

■ 52.7218, 56.4011,
57.9201

■ 41.5686, 51.2665,
29.6064

■ 57.2455, 58.4610,
70.4238

■ 38.6083, 49.8833,
23.0106

■ 62.1943, 60.7044,
84.5621

■ 35.9998, 48.6532,
17.7107

■ 67.5806, 63.1364,
100.3911

■ 33.7248, 47.5686,
13.6208

■ 70.6436, 64.6528,
103.3637

■ 31.7630, 46.6211,
10.6447

■ 73.2854, 66.0147,
103.4873

■ 30.0913, 45.8013,
8.6713

■ 76.0495, 67.4397,
103.6167

■ 28.6822, 45.0978,
7.5670

■ 78.9376, 68.9285,
103.7518

■ 27.8836, 44.6943,
7.1573

■ 79.7145, 69.3290,
103.7882

Harmonies

Analogous

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



51.3106, 54.5168, 44.5493



48.6089, 54.5168, 46.9906



46.8195, 54.5168, 52.7561

Triad

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



48.6089, 54.5168, 46.9906



49.4564, 54.5168, 75.4210



57.6993, 54.5168, 57.9174

Complementary

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



48.6089, 54.5168, 46.9906



44.5919, 43.6974, 60.1199

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.



57.1572, 54.5168, 66.4922



48.6089, 54.5168, 46.9906



52.3259, 54.5168, 77.1346

Square

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



48.6089, 54.5168, 46.9906



47.2956, 54.5168, 69.2455



55.1624, 54.5168, 73.7282



56.6169, 54.5168, 50.4623

Rectangle

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



48.6089, 54.5168, 46.9906



46.3461, 54.5168, 57.9808



55.1624, 54.5168, 73.7282



57.7014, 54.5168, 60.7599

Sweetspot

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



48.6104, 54.5192, 46.9918



91.9382, 98.5805, 100.4085



47.8939, 48.9071, 45.9463



19.5561, 21.0444, 21.1606



0.0000, 0.0000, 0.0000



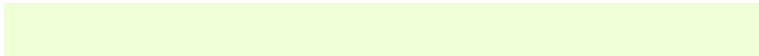
20.3446, 21.4041, 23.3091

Same Dimension

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



48.6104, 54.5192, 46.9918



83.3088, 94.6272, 77.6264



45.4835, 52.9072, 46.8454



11.0898, 12.1932, 11.3318



18.0302, 28.7902, 4.6068



0.9343, 1.4048, 0.2219

Inverse Universe

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



44.5919, 43.6974, 60.1199



75.0461, 72.3744, 104.6220



47.9064, 45.4061, 60.2750



10.4591, 10.4949, 13.3920



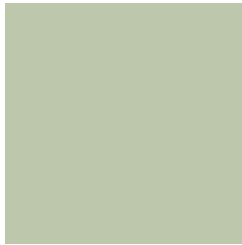
8.9097, 3.8274, 35.0135



0.5036, 0.2234, 1.6617

Previews

White Background



This preview shows how the XYZ color 48.6089, 54.5168, 46.9906 looks on a white background.

Color Contrast Check

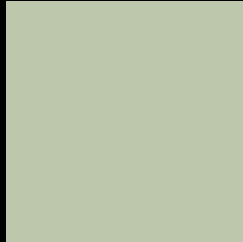
Large Text (above 18pt) WCAG AA × Fail

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 48.6089, 54.5168, 46.9906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

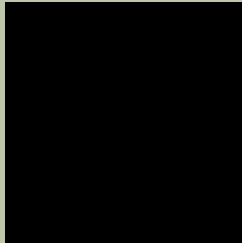
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

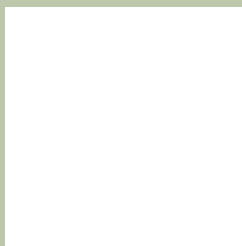
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.6089, 54.5168, 46.9906

Background



This preview shows how black text looks on a background with the XYZ color 48.6089, 54.5168, 46.9906.



This preview shows how white text looks on a background with the XYZ color 48.6089, 54.5168,

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

48.6089, 54.5168, 46.9906

Protanopia

51.4493, 54.3232, 45.8040

Deuteranopia

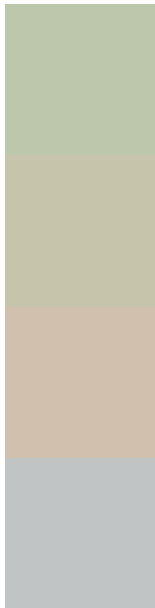
55.4420, 54.3946, 47.6215



Tritanopia

53.0485, 54.6564, 68.0754

Trichromacy



Original Color

48.6089, 54.5168, 46.9906

Protanomaly

50.3793, 54.4259, 46.3781

Deuteranomaly

52.6870, 54.2717, 47.2338

Tritanomaly

51.4420, 54.6718, 60.0660

Monochromacy



Original Color

48.6089, 54.5168, 46.9906

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

49.7579, 53.6094, 53.6241

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6089, 54.5168, 46.9906 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, 199, 172)` looks like.

```
.text, #text, p{  
    color:rgb(188, 199, 172)  
}
```

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, 199, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 199, 172) }
```

Border

The CSS property to change the border of an element to XYZ 48.6089, 54.5168, 46.9906 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, 199, 172) }
```


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

```
.border{ border-color:rgb(188, 199, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 199, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 199, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 199, 172);  
box-shadow:4px 4px 4px 4px rgb(188, 199,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6089, 54.5168, 46.9906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 199, 172) }
```

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

```
.background{ background-color: rgb(188,  
199, 172) }
```

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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