

Converting Colors

XYZ(49.8105, 58.3512, 46.1988)

Have a look what the booklet for
XYZ(49.8105, 58.3512, 46.1988)
contains.

XYZ(49.7249, 58.2906, 46.1665)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.7249, 58.2906,
46.1665)**

Conversions

Conversions Part 1

Format	Color
Hex	B9D0A9
RGB	185, 208, 169
RGB Percent	73%, 82%, 66%
CMY	0.2745, 0.1843, 0.3372
CMYK	0.11, 0.00, 0.19, 0.18
HSL	95°, 29%, 74%
HSV	95°, 19%, 82%
XYZ	49.7249, 58.2906, 46.1665
YIQ	196.6770, -1.1890, -17.0050

Conversions

Conversions Part 2

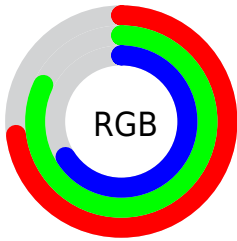
Format	Color
R _{YB}	169, 208, 192
Decimal	12177577
CIE Lab	80.90, -14.79, 16.82
CIE LCh	81, 22.394, 131.324
Yxy	58.2906, 0.3225, 0.3781
Android (android.graphics.Color)	4290367657 (0xFFB9D0A9)
YUV	196.6770, -13.6448, -10.2407
Hunter-Lab	76.3483, -17.3542, 17.5921

Details

The XYZ color **49.7249, 58.2906, 46.1665** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **47.3136, 44.1380, 65.7034**, and the grayscale version is **52.9576, 55.7156, 60.6742**.

A 20% lighter version of the original color is **85.4902, 95.6026, 84.4683**, and **24.2822, 29.3011, 21.2055** is the 20% darker color. If you saturate the color by 10%, you get **45.0929, 56.1124, 36.5547**, and if you desaturate by 10%, it is **54.9261, 60.7298, 57.4290**.

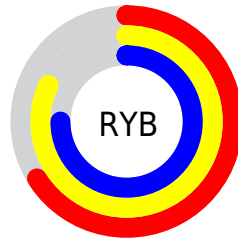
Distribution



Red (73%)

Green (82%)

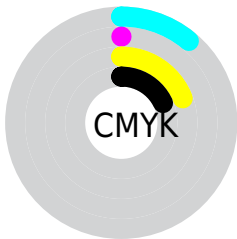
Blue (66%)



Red (66%)

Yellow (82%)

Blue (75%)

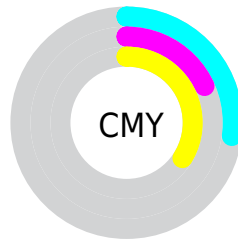


Cyan (11%)

Magenta (0%)

Yellow (19%)

Black (18%)



Cyan (27%)

Magenta (18%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.7249, 58.2906, 46.1665 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 49.7249, 58.2906, 46.1665 by changing the saturation by 10% instead.

■ 49.7249, 58.2906,
46.1665

■ 49.7249, 58.2906,
46.1665

376.0590,
418.2679, 387.7746

■ 35.4118, 42.0423,
32.0276

■ 88.9614, 102.3459,
85.8050

■ 24.1482, 29.1344,
21.1176

114.6155,
130.9217, 112.1418

■ 15.5689, 19.1825,
13.0179

144.7806,
164.3755, 143.3815

■ 9.3086, 11.8023,
7.3100

179.8221,
203.0917, 179.9428

■ 5.0017, 6.6092,
3.5754

220.1053,
247.4546, 222.2443

■ 2.2830, 3.2189,
1.3954

265.9956,

■ 0.7860, 1.2471,

297.8487, 270.7044

0.1381

317.8584,
354.6583, 325.7416

■ 0.0000, 0.0996,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.7249, 58.2906,
46.1665

■ 49.7249, 58.2906,
46.1665

■ 45.0929, 56.1124,
36.5547

■ 54.9261, 60.7298,
57.4290

■ 41.0043, 54.1785,
28.5122

■ 60.7118, 63.4311,
70.4107

■ 37.4383, 52.4815,
21.9566

■ 67.1023, 66.4052,
85.1810

■ 34.3705, 51.0110,
16.7965

■ 74.1156, 69.6600,
101.8041

■ 31.7744, 49.7556,
12.9300

■ 78.7328, 71.9886,
104.3533

■ 29.6205, 48.7025,
10.2419

■ 81.8470, 73.5941,
104.4990

■ 27.8750, 47.8373,
8.5960

■ 26.4884, 47.1391,
7.7773

■ 26.3329, 47.0606,
7.6957

Harmonies

Analogous

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



53.6720, 58.2906, 41.5884



49.7249, 58.2906, 46.1665



47.3827, 58.2906, 55.6418

Triad

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



49.7249, 58.2906, 46.1665



52.5986, 58.2906, 90.8468



64.6089, 58.2906, 58.5879

Complementary

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



49.7249, 58.2906, 46.1665



47.3136, 44.1380, 65.7034

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.



64.2818, 58.2906, 71.9969



49.7249, 58.2906, 46.1665



57.1718, 58.2906, 91.9268

Square

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



49.7249, 58.2906, 46.1665



48.9769, 58.2906, 81.8568



61.4987, 58.2906, 84.6293



62.3690, 58.2906, 48.0636

Rectangle

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



49.7249, 58.2906, 46.1665



46.9633, 58.2906, 64.0601



61.4987, 58.2906, 84.6293



64.7987, 58.2906, 62.8806

Sweetspot

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



49.7265, 58.2931, 46.1678



89.4413, 97.3820, 96.2871



51.9709, 53.8663, 45.1950



19.0179, 20.7848, 20.3287



0.0000, 0.0000, 0.0000



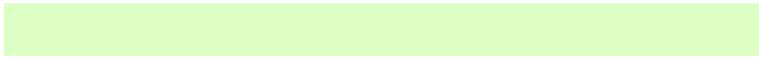
20.3446, 21.4041, 23.3091

Same Dimension

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



49.7265, 58.2931, 46.1678



75.4027, 90.8010, 65.9859



46.3902, 56.5375, 47.6245



12.1090, 13.4396, 12.5679



16.5150, 29.3828, 4.8010



1.0125, 1.6888, 0.2726

Inverse Universe

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



47.3136, 44.1380, 65.7034



70.8050, 63.8371, 103.1977



51.1919, 46.1831, 63.8185



11.8224, 11.7573, 14.8899



12.2702, 5.5058, 37.6085



0.7750, 0.3537, 2.1070

Previews

White Background



This preview shows how the XYZ color 49.7249, 58.2906, 46.1665 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 49.7249, 58.2906, 46.1665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

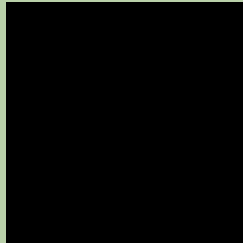
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.7249, 58.2906, 46.1665

Background



This preview shows how black text looks on a background with the XYZ color 49.7249, 58.2906, 46.1665.



This preview shows how white text looks on a background with the XYZ color 49.7249, 58.2906,

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

49.7249, 58.2906, 46.1665

Protanopia

54.5972, 58.0222, 43.9191

Deuteranopia

59.1495, 57.9415, 47.0960



Tritanopia

55.1493, 57.9895, 73.9321

Trichromacy



Original Color

49.7249, 58.2906, 46.1665

Protanomaly

52.5960, 58.0216, 44.5036

Deuteranomaly

55.2763, 57.6246, 46.7374

Tritanomaly

53.0045, 58.1747, 63.0788

Monochromacy



Original Color

49.7249, 58.2906, 46.1665

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

51.8486, 56.6986, 55.2249

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7249, 58.2906, 46.1665 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(185, 208, 169)` looks like.

```
.text, #text, p{  
    color:rgb(185, 208, 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(185, 208, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 208, 169) }
```

Border

The CSS property to change the border of an element to XYZ 49.7249, 58.2906, 46.1665 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(185, 208, 169) }
```


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

```
.border{ border-color:rgb(185, 208, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 208, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 208, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 208, 169);  
box-shadow:4px 4px 4px 4px rgb(185, 208,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7249, 58.2906, 46.1665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 208, 169) }
```

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

```
.background{ background-color: rgb(185,  
208, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor