

Converting Colors

XYZ(45.0985, 49.9849, 36.9140)

Have a look what the booklet for
XYZ(45.0985, 49.9849, 36.9140)
contains.

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Color

**XYZ(45.0672, 49.9127,
36.9646)**

Conversions

Conversions Part 1

Format	Color
Hex	BDBE98
RGB	189, 190, 152
RGB Percent	74%, 75%, 60%
CMY	0.2588, 0.2549, 0.4039
CMYK	0.01, 0.00, 0.20, 0.25
HSL	62°, 23%, 67%
HSV	62°, 20%, 75%
XYZ	45.0672, 49.9127, 36.9646
YIQ	185.3690, 11.6020, -12.0300

Conversions

Conversions Part 2

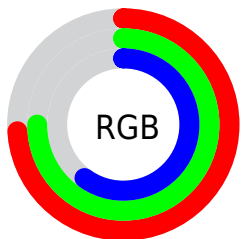
Format	Color
RYB	152, 190, 153
Decimal	12435096
CIELab	76.02, -6.73, 19.13
CIELCh	76, 20.276, 109.378
Yxy	49.9127, 0.3416, 0.3783
Android (android.graphics.Color)	4290625176 (0xFFBDBE98)
YUV	185.3690, -16.4509, 3.1844
Hunter-Lab	70.6489, -9.7698, 18.4328

Details

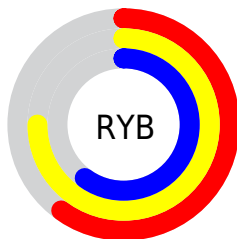
The XYZ color **45.0672, 49.9127, 36.9646** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **33.6613, 32.9478, 53.3034**, and the grayscale version is **46.4049, 48.8216, 53.1667**.

A 20% lighter version of the original color is **82.1024, 89.9606, 71.4294**, and **21.2863, 23.9818, 15.8190** is the 20% darker color. If you saturate the color by 10%, you get **43.5102, 49.2772, 29.4090**, and if you desaturate by 10%, it is **46.8766, 50.6525, 45.8354**.

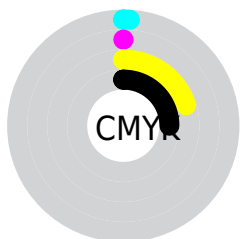
Distribution



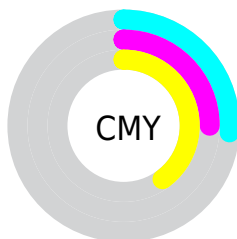
- Red (74%)
- Green (75%)
- Blue (60%)



- Red (60%)
- Yellow (75%)
- Blue (60%)



- Cyan (1%)
- Magenta (0%)
- Yellow (20%)
- Black (25%)



- Cyan (26%)
- Magenta (25%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.0672, 49.9127, 36.9646 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 45.0672, 49.9127, 36.9646 by changing the saturation by 10% instead.

■ 45.0672, 49.9127,
36.9646

■ 45.0672, 49.9127,
36.9646

357.8248,
386.3244, 348.3213

■ 31.7119, 35.3440,
24.8845

■ 82.0577, 90.0455,
71.7041

■ 21.2960, 23.9280,
15.7728

■ 106.4235,
116.3785, 95.2005

■ 13.4542, 15.2802,
9.2109

135.1903,
147.4016, 123.3395

■ 7.8212, 9.0163,
4.7803

168.7233,
183.4994, 156.5395

■ 4.0316, 4.7518,
2.0625

207.3879,
225.0562, 195.2192

■ 1.7200, 2.1024,
0.5933

251.5494,

■ 0.4688, 0.6660,

272.4563, 239.7970

0.0000

301.5733,
326.0843, 290.6916

■ 0.0000, 0.0000,
0.0000

■ 45.0672, 49.9127,
36.9646

■ 45.0672, 49.9127,
36.9646

■ 43.5102, 49.2772,
29.4090

■ 46.8766, 50.6525,
45.8354

■ 42.1899, 48.7348,
23.1029

■ 48.9454, 51.4946,
56.0765

■ 41.0947, 48.2824,
17.9801


■ 51.2855, 52.4451,
67.7435


■ 40.2105, 47.9146,
13.9665


■ 53.9067, 53.5081,
80.8883


■ 39.5219, 47.6249,
10.9803


■ 56.8183, 54.6874,
95.5601


 39.0110, 47.4065,
8.9279


 58.2061, 55.2572,
102.2057

 38.6570, 47.2508,
7.6989

 58.3335, 55.3228,
102.2116

 38.4181, 47.1412,
7.0743

 58.4613, 55.3887,
102.2176

 58.5895, 55.4549,
102.2236

Harmonies

Analogous

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



48.7943, 49.9127, 36.3315



45.0672, 49.9127, 36.9646



42.1297, 49.9127, 41.8778

Triad

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



45.0672, 49.9127, 36.9646



42.8595, 49.9127, 71.7458



54.9568, 49.9127, 58.2785

Complementary

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



45.0672, 49.9127, 36.9646



33.6613, 32.9478, 53.3034

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.



53.1799, 49.9127, 69.0727



45.0672, 49.9127, 36.9646



46.1120, 49.9127, 77.5065

Square

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



45.0672, 49.9127, 36.9646



40.9027, 49.9127, 61.5574



49.8957, 49.9127, 76.4680



54.6403, 49.9127, 47.7218

Rectangle

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



45.0672, 49.9127, 36.9646



40.9517, 49.9127, 47.3331



49.8957, 49.9127, 76.4680



54.5810, 49.9127, 62.0205

Sweetspot

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



45.0685, 49.9149, 36.9657



86.3487, 92.3575, 89.9993



38.2356, 35.8780, 34.6164



18.9080, 20.2591, 19.4990



92.9021, 97.7402, 106.4391



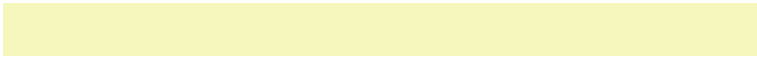
19.4759, 20.4902, 22.3138

Same Dimension

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



45.0685, 49.9149, 36.9657



80.3728, 89.9193, 60.6891



40.7398, 47.6834, 36.7631



10.2966, 11.1073, 10.1779



25.5555, 31.3502, 4.7043



1.0090, 1.2321, 0.1846

Inverse Universe

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



33.6613, 32.9478, 53.3034



55.9470, 53.5874, 95.6738



37.4569, 34.9045, 53.4810



9.0392, 9.2371, 11.9787



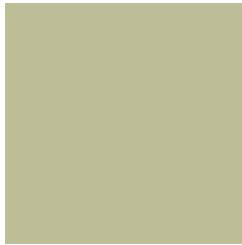
6.2325, 2.4990, 32.5468



0.2522, 0.1021, 1.2753

Previews

White Background



This preview shows how the XYZ color 45.0672, 49.9127, 36.9646 looks on a white background.

Color Contrast Check

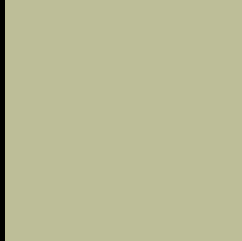
Large Text (above 18pt) WCAG AA × Fail

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 45.0672, 49.9127, 36.9646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

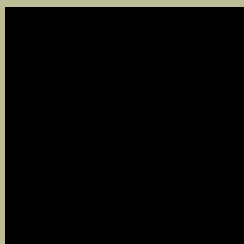
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

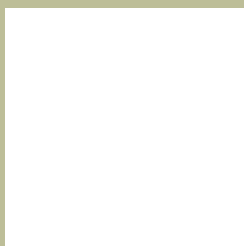
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.0672, 49.9127, 36.9646

Background



This preview shows how black text looks on a background with the XYZ color 45.0672, 49.9127, 36.9646.



This preview shows how white text looks on a background with the XYZ color 45.0672, 49.9127,

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

45.0672, 49.9127, 36.9646

Protanopia

46.9094, 49.9171, 36.4407

Deuteranopia

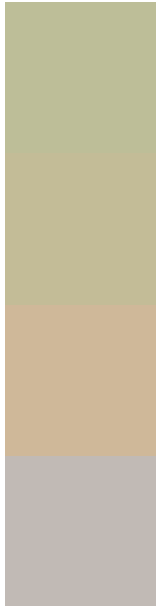
50.7693, 49.7273, 37.4944



Tritanopia

49.8392, 49.9603, 60.4426

Trichromacy



Original Color

45.0672, 49.9127, 36.9646

Protanomaly

46.0748, 49.8029, 36.4627

Deuteranomaly

48.6224, 49.8463, 37.1956

Tritanomaly

47.8917, 49.7915, 50.8026

Monochromacy



Original Color

45.0672, 49.9127, 36.9646

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

45.5628, 48.9969, 46.5911

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.0672, 49.9127, 36.9646 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(189, 190, 152)` looks like.

```
.text, #text, p{  
    color:rgb(189, 190, 152)  
}
```

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(189, 190, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 190, 152) }
```

Border

The CSS property to change the border of an element to XYZ 45.0672, 49.9127, 36.9646 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(189, 190, 152) }
```


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

```
.border{ border-color:rgb(189, 190, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 190, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 190, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 190, 152);  
box-shadow:4px 4px 4px 4px rgb(189, 190,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 45.0672, 49.9127, 36.9646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 190, 152) }
```

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

```
.background{ background-color: rgb(189,  
190, 152) }
```

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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