

Converting Colors

XYZ(44.9029, 51.6541, 49.4665)

Have a look what the booklet for
XYZ(44.9029, 51.6541, 49.4665)
contains.

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Color

**XYZ(44.7891, 51.4649,
49.6926)**

Conversions

Conversions Part 1

Format	Color
Hex	ACC4B2
RGB	172, 196, 178
RGB Percent	67%, 77%, 70%
CMY	0.3255, 0.2314, 0.3020
CMYK	0.12, 0.00, 0.09, 0.23
HSL	135°, 17%, 72%
HSV	135°, 12%, 77%
XYZ	44.7891, 51.4649, 49.6926
YIQ	186.7720, -8.5260, -10.6860

Conversions

Conversions Part 2

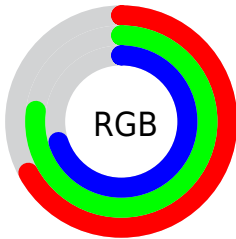
Format	Color
RYB	172, 191, 196
Decimal	11322546
CIELab	76.96, -11.60, 6.29
CIELCh	77, 13.197, 151.525
Yxy	51.4649, 0.3069, 0.3526
Android (android.graphics.Color)	4289512626 (0xFFACC4B2)
YUV	186.7720, -4.3246, -12.9550
Hunter-Lab	71.7390, -14.0998, 9.1480

Details

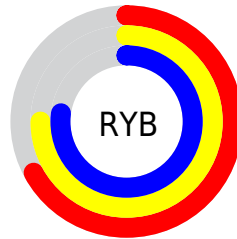
The XYZ color **44.7891, 51.4649, 49.6926** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.8136, 44.9598, 54.9284**, and the grayscale version is **47.1338, 49.5885, 54.0018**.

A 20% lighter version of the original color is **81.6551, 92.5220, 91.3967**, and **21.1204, 24.8197, 23.0796** is the 20% darker color. If you saturate the color by 10%, you get **39.4028, 48.8512, 42.1443**, and if you desaturate by 10%, it is **50.9709, 54.4734, 58.1061**.

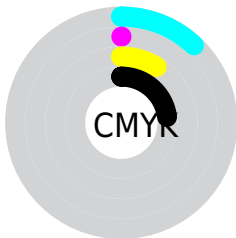
Distribution



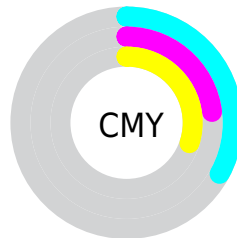
- Red (67%)
- Green (77%)
- Blue (70%)



- Red (67%)
- Yellow (75%)
- Blue (77%)



- Cyan (12%)
- Magenta (0%)
- Yellow (9%)
- Black (23%)





- Cyan (33%)
- Magenta (23%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.7891, 51.4649, 49.6926 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 44.7891, 51.4649, 49.6926 by changing the saturation by 10% instead.


 44.7891, 51.4649,
49.6926

 44.7891, 51.4649,
49.6926


356.7168,
392.3673, 402.1632

 31.4919, 36.5787,
34.7997


 81.6429, 92.3416,
91.1109

 21.1274, 24.8815,
23.2263


105.9301,
119.1009, 118.4733

 13.3301, 15.9888,
14.5539


134.6115,
150.5868, 150.8294

 7.7348, 9.5162,
8.3637

168.0523,
187.1835, 188.5977

 3.9761, 5.0794,
4.2375

206.6178,
229.2755, 232.1967

 1.6886, 2.2939,
1.7565

250.6736,

 0.4491, 0.7705,

277.2472, 282.0449

0.3990

300.5848,
331.4830, 338.5609

■ 0.0000, 0.0000,
0.0000

■ 44.7891, 51.4649,
49.6926

■ 44.7891, 51.4649,
49.6926

■ 39.4028, 48.8512,
42.1443

■ 50.9709, 54.4734,
58.1061

■ 34.7752, 46.6093,
35.4303

■ 57.9747, 57.8854,
67.4076

■ 30.8728, 44.7243,
29.5229

■ 65.8310, 61.7175,
77.6233

■ 27.6578, 43.1771,
24.3916

■ 74.5674, 65.9834,
88.7772

■ 25.0890, 41.9473,
20.0039

■ 78.4733, 67.7388,
100.6241

■ 23.1206, 41.0119,
16.3251

■ 79.0309, 67.9619,
103.5603

■ 21.7005, 40.3450,
13.3175

■ 20.7673, 39.9155,
10.9399

■ 20.2952, 39.7036,
9.4992

Harmonies

Analogous

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



46.4320, 51.4649, 45.0461



44.7891, 51.4649, 49.6926



44.2416, 51.4649, 56.4057

Triad

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



44.7891, 51.4649, 49.6926



49.0446, 51.4649, 71.0440



53.1525, 51.4649, 49.1061

Complementary

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



44.7891, 51.4649, 49.6926



46.8136, 44.9598, 54.9284

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.



53.9082, 51.4649, 55.6690



44.7891, 51.4649, 49.6926



51.4868, 51.4649, 68.6833

Square

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



44.7891, 51.4649, 49.6926



46.6474, 51.4649, 69.1060



53.2886, 51.4649, 62.8986



51.2566, 51.4649, 44.7284

Rectangle

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



44.7891, 51.4649, 49.6926



44.5560, 51.4649, 61.2702



53.2886, 51.4649, 62.8986



53.5512, 51.4649, 51.1097

Sweetspot

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



44.7905, 51.4671, 49.6937



90.1890, 97.6335, 102.3706



48.5236, 53.4597, 46.7917



19.1144, 20.8052, 21.6550



0.0000, 0.0000, 0.0000



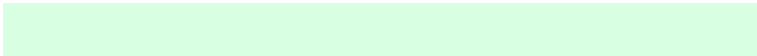
20.3446, 21.4041, 23.3091

Same Dimension

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



44.7905, 51.4671, 49.6937



78.0713, 91.7415, 85.7690



46.0055, 51.9531, 56.0916



10.0454, 11.2992, 11.2425



13.0695, 25.5219, 6.2590



0.5934, 1.1142, 0.4218

Inverse Universe

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



46.8136, 44.9598, 54.9284



82.5369, 77.3763, 97.3225



45.5952, 44.4725, 48.5124



10.3862, 10.2031, 12.1244



18.0476, 8.9088, 18.6944



0.8060, 0.3954, 0.9458

Previews

White Background



This preview shows how the XYZ color 44.7891, 51.4649, 49.6926 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 44.7891, 51.4649, 49.6926 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

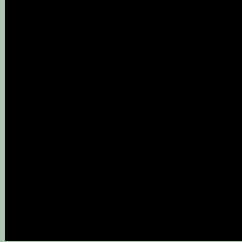
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 44.7891, 51.4649, 49.6926

Background



This preview shows how black text looks on a background with the XYZ color 44.7891, 51.4649, 49.6926.



This preview shows how white text looks on a background with the XYZ color 44.7891, 51.4649,

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

44.7891, 51.4649, 49.6926

Protanopia

48.8635, 51.3215, 47.3751

Deuteranopia

52.1379, 51.0521, 50.8221



Tritanopia

48.2436, 51.5514, 66.4392

Trichromacy



Original Color

44.7891, 51.4649, 49.6926

Protanomaly

47.3265, 51.4858, 48.0008

Deuteranomaly

49.2474, 51.1320, 50.4539

Tritanomaly

46.7130, 51.2394, 59.6527

Monochromacy



Original Color

44.7891, 51.4649, 49.6926

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.3566, 50.2327, 52.6000

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.7891, 51.4649, 49.6926 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(172, 196, 178)` looks like.

```
.text, #text, p{  
    color:rgb(172, 196, 178)  
}
```

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(172, 196, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 196, 178) }
```

Border

The CSS property to change the border of an element to XYZ 44.7891, 51.4649, 49.6926 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(172, 196, 178) }
```


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

```
.border{ border-color:rgb(172, 196, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 196, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 196, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 196, 178);  
box-shadow:4px 4px 4px 4px rgb(172, 196,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 44.7891, 51.4649, 49.6926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 196, 178) }
```

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

```
.background{ background-color: rgb(172,  
196, 178) }
```

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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