

Converting Colors

XYZ(49.8622, 53.2353, 48.6297)

Have a look what the booklet for
XYZ(49.8622, 53.2353, 48.6297)
contains.

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Color

**XYZ(49.6714, 53.0103,
48.6883)**

Conversions

Conversions Part 1

Format	Color
Hex	C4C1B0
RGB	196, 193, 176
RGB Percent	77%, 76%, 69%
CMY	0.2314, 0.2431, 0.3098
CMYK	0.00, 0.02, 0.10, 0.23
HSL	51°, 14%, 73%
HSV	51°, 10%, 77%
XYZ	49.6714, 53.0103, 48.6883
YIQ	191.9590, 7.2450, -4.6510

Conversions

Conversions Part 2

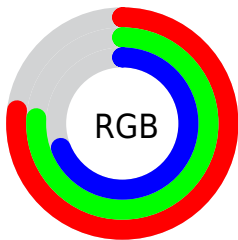
Format	Color
RYB	180, 196, 176
Decimal	12894640
CIELab	77.88, -1.92, 8.92
CIElCh	78, 9.129, 102.133
Yxy	53.0103, 0.3281, 0.3502
Android (android.graphics.Color)	4291084720 (0xFFC4C1B0)
YUV	191.9590, -7.8678, 3.5440
Hunter-Lab	72.8082, -5.6375, 11.3173

Details

The XYZ color **49.6714, 53.0103, 48.6883** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **43.9883, 45.4550, 58.6804**, and the grayscale version is **50.1217, 52.7320, 57.4251**.

A 20% lighter version of the original color is **88.9492, 94.4602, 89.8884**, and **24.1715, 25.9622, 22.8060** is the 20% darker color. If you saturate the color by 10%, you get **47.2283, 51.0065, 38.9870**, and if you desaturate by 10%, it is **52.4103, 55.1566, 59.8710**.

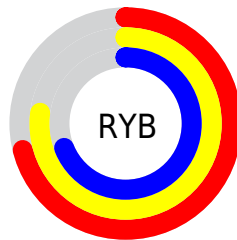
Distribution



Red (77%)

Green (76%)

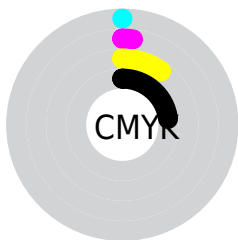
Blue (69%)



Red (71%)

Yellow (77%)

Blue (69%)

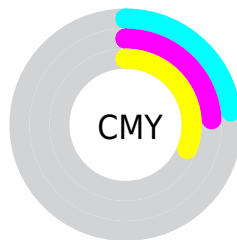


Cyan (0%)

Magenta (2%)

Yellow (10%)

Black (23%)



Cyan (23%)

Magenta (24%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6714, 53.0103, 48.6883 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 49.6714, 53.0103, 48.6883 by changing the saturation by 10% instead.

■ 49.6714, 53.0103,
48.6883

■ 49.6714, 53.0103,
48.6883

375.8528,
398.3246, 398.1011

■ 35.3691, 37.8110,
34.0084

■ 88.8826, 94.6195,
89.6045

■ 24.1152, 25.8360,
22.6227

114.5221,
121.7982, 116.6780

■ 15.5443, 16.7010,
14.1125

144.6715,
153.7389, 148.7197

■ 9.2911, 10.0216,
8.0593

179.6960,
190.8258, 186.1482

■ 4.9901, 5.4132,
4.0446

219.9611,
233.4435, 229.3820

■ 2.2762, 2.4917,
1.6498

265.8320,

■ 0.7824, 0.8725,

281.9762, 278.8398

0.3260

317.6741,
336.8085, 334.9399

■ 0.0000, 0.0000,
0.0000

■ 49.6714, 53.0103,
48.6883

■ 49.6714, 53.0103,
48.6883

■ 47.2283, 51.0065,
38.9870

■ 52.4103, 55.1566,
59.8710

■ 45.0647, 49.1332,
30.7007

■ 55.4521, 57.4429,
72.5908

■ 43.1692, 47.3876,
23.7631

■ 58.8087, 59.8762,
86.9048

■ 41.5278, 45.7639,
18.1013

■ 62.4905, 62.4604,
102.8661

■ 40.1253, 44.2558,
13.6353

■ 63.2945, 63.9146,
103.6085

■ 38.9447, 42.8566,
10.2762

■ 64.0157, 65.3568,
103.8489

■ 37.9667, 41.5583,
7.9227

■ 64.7501, 66.8257,
104.0937

■ 37.1685, 40.3517,
6.4548

■ 65.4979, 68.3213,
104.3430

■ 36.5179, 39.2412,
5.6496

■ 66.2592, 69.8439,
104.5967

Harmonies

Analogous

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



51.4382, 53.0103, 48.9144



49.6714, 53.0103, 48.6883



48.1316, 53.0103, 50.7756

Triad

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



49.6714, 53.0103, 48.6883



47.8980, 53.0103, 64.5216



53.7004, 53.0103, 60.7676

Complementary

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



49.6714, 53.0103, 48.6883



43.9883, 45.4550, 58.6804

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.



52.7071, 53.0103, 65.2686



49.6714, 53.0103, 48.6883



49.3457, 53.0103, 67.5219

Square

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



49.6714, 53.0103, 48.6883



47.1239, 53.0103, 59.7962



51.1048, 53.0103, 67.8030



53.7925, 53.0103, 55.6909

Rectangle

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



49.6714, 53.0103, 48.6883



47.4299, 53.0103, 53.2737



51.1048, 53.0103, 67.8030



53.4597, 53.0103, 62.4054

Sweetspot

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



49.6728, 53.0126, 48.6894



93.4781, 98.7880, 102.4203



46.4276, 46.0418, 49.0885



19.9201, 21.0762, 21.5608



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.



49.6728, 53.0126, 48.6894



89.0639, 95.2936, 84.5051



48.5633, 53.4339, 48.8292



10.7807, 11.4929, 10.7120



23.5141, 25.3140, 3.6468



1.0516, 1.1651, 0.1695

Inverse Universe

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



43.9883, 45.4550, 58.6804



76.9295, 79.1611, 105.8327



45.0182, 45.1042, 58.5584



9.6474, 9.9861, 12.7039



6.7302, 3.2169, 33.8228



0.3305, 0.2185, 1.4746

Previews

White Background



This preview shows how the XYZ color 49.6714, 53.0103, 48.6883 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 49.6714, 53.0103, 48.6883 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

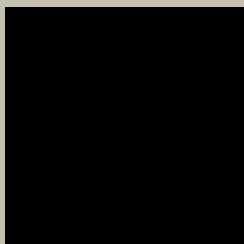
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

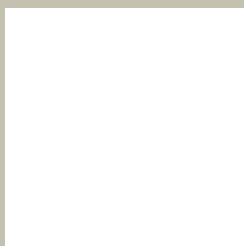
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.6714, 53.0103, 48.6883

Background



This preview shows how black text looks on a background with the XYZ color 49.6714, 53.0103, 48.6883.



This preview shows how white text looks on a background with the XYZ color 49.6714, 53.0103,

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

49.6714, 53.0103, 48.6883

Protanopia

50.4069, 53.0738, 48.1450

Deuteranopia

54.1100, 53.0438, 48.9816



Tritanopia

52.9161, 53.0342, 64.5744

Trichromacy



Original Color

49.6714, 53.0103, 48.6883

Protanomaly

50.1407, 52.9365, 48.1325

Deuteranomaly

52.4279, 53.1248, 49.0858

Tritanomaly

51.7042, 52.8641, 58.5176

Monochromacy



Original Color

49.6714, 53.0103, 48.6883

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.7049, 52.5819, 53.9840

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6714, 53.0103, 48.6883 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(196, 193, 176)` looks like.

```
.text, #text, p{  
    color:rgb(196, 193, 176)  
}
```

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(196, 193, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 193, 176) }
```

Border

The CSS property to change the border of an element to XYZ 49.6714, 53.0103, 48.6883 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(196, 193, 176) }
```


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

```
.border{ border-color:rgb(196, 193, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 193, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 193, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 193, 176);  
box-shadow:4px 4px 4px 4px rgb(196, 193,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6714, 53.0103, 48.6883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 193, 176) }
```

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

```
.background{ background-color: rgb(196,  
193, 176) }
```

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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