

Converting Colors

XYZ(49.1895, 51.2212, 47.2379)

Have a look what the booklet for
XYZ(49.1895, 51.2212, 47.2379)
contains.

XYZ(49.1764, 51.1645, 47.3283)	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(49.1764, 51.1645,
47.3283)**

Conversions

Conversions Part 1

Format	Color
Hex	C7BCAE
RGB	199, 188, 174
RGB Percent	78%, 74%, 68%
CMY	0.2196, 0.2627, 0.3176
CMYK	0.00, 0.06, 0.13, 0.22
HSL	34°, 18%, 73%
HSV	34°, 13%, 78%
XYZ	49.1764, 51.1645, 47.3283
YIQ	189.6930, 11.0500, -2.0220

Conversions

Conversions Part 2

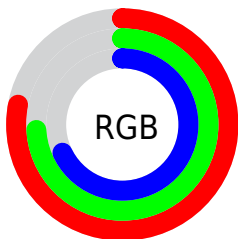
Format	Color
RYB	194, 199, 174
Decimal	13089966
CIELab	76.78, 1.49, 8.46
CIELCh	77, 8.592, 80.005
Yxy	51.1645, 0.3330, 0.3465
Android (android.graphics.Color)	4291280046 (0xFFC7BCAE)
YUV	189.6930, -7.7366, 8.1622
Hunter-Lab	71.5294, -2.4577, 10.8406

Details

The XYZ color **49.1764, 51.1645, 47.3283** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **45.1133, 47.8194, 60.8857**, and the grayscale version is **48.8067, 51.3485, 55.9185**.

A 20% lighter version of the original color is **87.7335, 91.6185, 87.1888**, and **23.8539, 24.7528, 21.9329** is the 20% darker color. If you saturate the color by 10%, you get **45.5652, 46.8198, 37.2517**, and if you desaturate by 10%, it is **53.1913, 55.8555, 58.9587**.

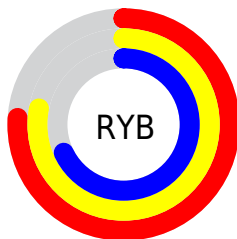
Distribution



Red (78%)

Green (74%)

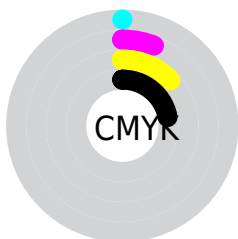
Blue (68%)



Red (76%)

Yellow (78%)

Blue (68%)

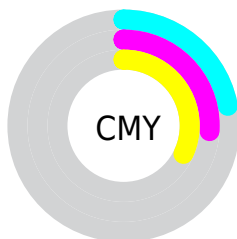


Cyan (0%)

Magenta (6%)

Yellow (13%)

Black (22%)



Cyan (22%)

Magenta (26%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1764, 51.1645, 47.3283 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 49.1764, 51.1645, 47.3283 by changing the saturation by 10% instead.

■ 49.1764, 51.1645,
47.3283

■ 49.1764, 51.1645,
47.3283

373.9418,
391.2026, 392.5551

■ 34.9745, 36.3395,
32.9391

■ 88.1525, 91.8979,
87.5586

■ 23.8097, 24.6965,
21.8090

113.6575,
118.5751, 114.2367

■ 15.3165, 15.8511,
13.5197

143.6609,
149.9719, 145.8482

■ 9.1296, 9.4189,
7.6524

178.5281,
186.4725, 182.8116

■ 4.8836, 5.0154,
3.7888

218.6245,
228.4616, 225.5454

■ 2.2132, 2.2563,
1.5102

264.3153,

■ 0.7497, 0.7504,

276.3233, 274.4683

0.2255

315.9659,
330.4422, 329.9986

■ 0.0000, 0.0000,
0.0000

■ 49.1764, 51.1645,
47.3283

■ 49.1764, 51.1645,
47.3283

■ 45.5652, 46.8198,
37.2517

■ 53.1913, 55.8555,
58.9587

■ 42.3389, 42.8057,
28.6588

■ 57.6195, 60.8948,
72.2026

■ 39.4834, 39.1150,
21.4786

■ 62.4754, 66.2927,
87.1204

■ 36.9818, 35.7374,
15.6332

■ 67.7715, 72.0573,
103.7685

■ 34.8159, 32.6623,
11.0369

■ 70.3956, 76.9465,
105.7497

■ 32.9654, 29.8780,
7.5940

■ 72.9180, 81.9914,
106.5905

■ 31.4072, 27.3715,
5.1948

■ 75.5649, 87.2851,
107.4728

■ 30.1142, 25.1281,
3.7075

■ 77.3634, 90.8822,
108.0723

■ 29.2892, 23.6137,
3.0142

Harmonies

Analogous

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



50.6729, 51.1645, 49.1115



49.1764, 51.1645, 47.3283



47.5659, 51.1645, 47.6928

Triad

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



49.1764, 51.1645, 47.3283



45.7441, 51.1645, 58.8371



51.0713, 51.1645, 61.6805

Complementary

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



49.1764, 51.1645, 47.3283



45.1133, 47.8194, 60.8857

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.



49.7105, 51.1645, 64.5775



49.1764, 51.1645, 47.3283



46.6434, 51.1645, 62.8734

Square

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



49.1764, 51.1645, 47.3283



45.6083, 51.1645, 54.1658



48.0883, 51.1645, 65.0259



51.7830, 51.1645, 57.2821

Rectangle

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



49.1764, 51.1645, 47.3283



46.6431, 51.1645, 49.1123



48.0883, 51.1645, 65.0259



50.6732, 51.1645, 62.8724

Sweetspot

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



49.1778, 51.1668, 47.3294



92.0363, 96.5311, 100.0077



47.4733, 45.9283, 52.4011



19.5811, 20.5244, 21.0589



0.0000, 0.0000, 0.0000



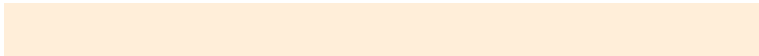
20.3446, 21.4041, 23.3091

Same Dimension

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



49.1778, 51.1668, 47.3294



84.3575, 87.5080, 77.9199



51.2869, 55.8753, 48.1271



11.1184, 11.6059, 11.2169



18.9219, 15.3610, 1.9677



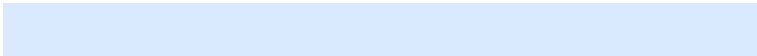
0.9672, 0.8699, 0.1169

Inverse Universe

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



45.1133, 47.8194, 60.8857



75.8928, 80.5371, 106.1530



43.1810, 43.5393, 60.1614



10.4342, 11.0424, 13.4989



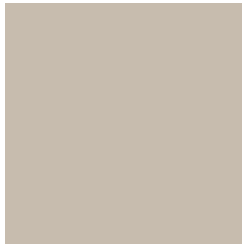
8.9323, 7.2585, 35.6746



0.4948, 0.4874, 1.7131

Previews

White Background



This preview shows how the XYZ color 49.1764, 51.1645, 47.3283 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 49.1764, 51.1645, 47.3283 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

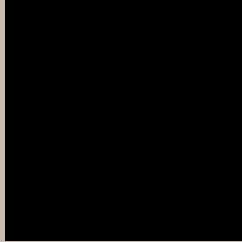
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.1764, 51.1645, 47.3283

Background



This preview shows how black text looks on a background with the XYZ color 49.1764, 51.1645, 47.3283.



This preview shows how white text looks on a background with the XYZ color 49.1764, 51.1645,

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

49.1764, 51.1645, 47.3283

Protanopia

48.6025, 51.1869, 47.3628

Deuteranopia

52.1119, 51.1083, 47.6757



Tritanopia

51.8064, 50.9611, 61.1388

Trichromacy



Original Color

49.1764, 51.1645, 47.3283

Protanomaly

48.8635, 51.3215, 47.3751

Deuteranomaly

51.0992, 51.2030, 47.7474

Tritanomaly

50.7306, 50.8331, 55.8532

Monochromacy



Original Color

49.1764, 51.1645, 47.3283

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.8416, 51.1933, 52.6545

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1764, 51.1645, 47.3283 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(199, 188, 174)` looks like.

```
.text, #text, p{  
    color:rgb(199, 188, 174)  
}
```

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(199, 188, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 188, 174) }
```

Border

The CSS property to change the border of an element to XYZ 49.1764, 51.1645, 47.3283 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(199, 188, 174) }
```


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

```
.border{ border-color:rgb(199, 188, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 188, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 188, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 188, 174);  
box-shadow:4px 4px 4px 4px rgb(199, 188,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1764, 51.1645, 47.3283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 188, 174) }
```

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

```
.background{ background-color: rgb(199,  
188, 174) }
```

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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