

Converting Colors

XYZ(47.3714, 49.9663, 51.9466)

Have a look what the booklet for
XYZ(47.3714, 49.9663, 51.9466)
contains.

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Color

**XYZ(47.3038, 49.7784,
51.9148)**

Conversions

Conversions Part 1

Format	Color
Hex	BDBBB7
RGB	189, 187, 183
RGB Percent	74%, 73%, 72%
CMY	0.2588, 0.2666, 0.2823
CMYK	0.00, 0.01, 0.03, 0.26
HSL	40°, 4%, 73%
HSV	40°, 3%, 74%
XYZ	47.3038, 49.7784, 51.9148
YIQ	187.1420, 2.4760, -0.8200

Conversions

Conversions Part 2

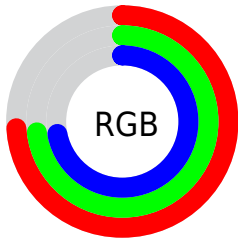
Format	Color
R _Y B	186, 189, 183
Decimal	12434359
CIE Lab	75.93, -0.03, 2.26
CIE LCh	76, 2.260, 90.642
Yxy	49.7784, 0.3175, 0.3341
Android (android.graphics.Color)	4290624439 (0xFFBDBBB7)
YUV	187.1420, -2.0420, 1.6295
Hunter-Lab	70.5538, -3.7913, 5.7610

Details

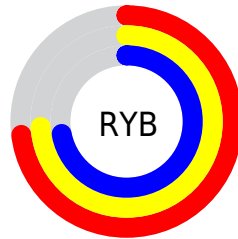
The XYZ color **47.3038, 49.7784, 51.9148** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.0626, 48.4385, 55.0664**, and the grayscale version is **47.3256, 49.7902, 54.2215**.

A 20% lighter version of the original color is **85.2868, 89.7457, 94.4889**, and **22.7077, 23.8961, 24.5347** is the 20% darker color. If you saturate the color by 10%, you get **44.1628, 46.4355, 41.8053**, and if you desaturate by 10%, it is **50.7703, 53.3481, 63.4373**.

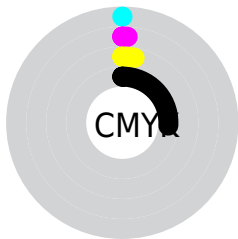
Distribution



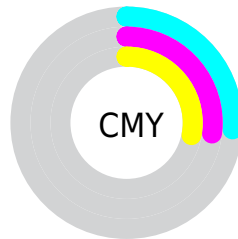
- Red (74%)
- Green (73%)
- Blue (72%)



- Red (73%)
- Yellow (74%)
- Blue (72%)



- Cyan (0%)
- Magenta (1%)
- Yellow (3%)
- Black (26%)



- Cyan (26%)
- Magenta (27%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.3038, 49.7784, 51.9148 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 47.3038, 49.7784, 51.9148 by changing the saturation by 10% instead.

■ 47.3038, 49.7784,
51.9148

■ 47.3038, 49.7784,
51.9148

366.6546,
385.7987, 411.0552

■ 33.4848, 35.2374,
36.5554

■ 85.3829, 89.8465,
94.4309

■ 22.6591, 23.8458,
24.5704

110.3738,
116.1423, 122.4246

■ 14.4613, 15.2193,
15.5411

139.8193,
147.1251, 155.4669

■ 8.5261, 8.9734,
9.0492

174.0849,
183.1794, 193.9763

■ 4.4880, 4.7238,
4.6761

213.5358,
224.6895, 238.3712

■ 1.9817, 2.0862,
2.0031

258.5375,

■ 0.6237, 0.6568,

272.0398, 289.0703

0.5572

309.4553,
325.6148, 346.4921

■ 0.0000, 0.0000,
0.0000

■ 47.3038, 49.7784,
51.9148

■ 47.3038, 49.7784,
51.9148

■ 44.1628, 46.4355,
41.8053

■ 50.7703, 53.3481,
63.4373

■ 41.3318, 43.3074,
33.0502

■ 54.5686, 57.1436,
76.4218

■ 38.8004, 40.3902,
25.5918

■ 58.7102, 61.1722,
90.9190

■ 36.5558, 37.6775,
19.3666

■ 62.6193, 65.2046,
103.8931

■ 34.5842, 35.1627,
14.3060

■ 64.2236, 68.4132,
104.4279

■ 32.8705, 32.8384,
10.3345

■ 65.8898, 71.7455,
104.9832

■ 31.3980, 30.6965,
7.3677

■ 67.6185, 75.2030,
105.5595

■ 30.1475, 28.7281,
5.3085

■ 69.4105, 78.7870,
106.1568

■ 29.0959, 26.9226,
4.0405

■ 71.2664, 82.4988,
106.7755

Harmonies

Analogous

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



47.7109, 49.7784, 52.2045



47.3038, 49.7784, 51.9148



46.9015, 49.7784, 52.2299

Triad

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



47.3038, 49.7784, 51.9148



46.6198, 49.7784, 55.3905



48.0220, 49.7784, 55.3448

Complementary

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



47.3038, 49.7784, 51.9148



46.0626, 48.4385, 55.0664

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.



47.7267, 49.7784, 56.2195



47.3038, 49.7784, 51.9148



46.9171, 49.7784, 56.2461

Square

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



47.3038, 49.7784, 51.9148



46.5080, 49.7784, 54.2262



47.3220, 49.7784, 56.5517



48.1270, 49.7784, 54.1742

Rectangle

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



47.3038, 49.7784, 51.9148



46.6897, 49.7784, 52.7432



47.3220, 49.7784, 56.5517



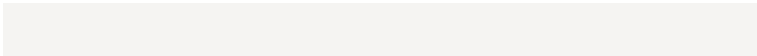
47.9416, 49.7784, 55.6838

Sweetspot

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



47.3052, 49.7806, 51.9159



86.0127, 90.5012, 97.2170



46.6773, 48.1893, 52.7409



18.5034, 19.4689, 20.9284



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



47.3052, 49.7806, 51.9159



84.1990, 88.6072, 91.2685



47.4844, 50.5060, 52.0465



10.3770, 10.9204, 11.1520



19.2228, 17.4844, 2.3617



0.8107, 0.8004, 0.1118

Inverse Universe

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



46.0626, 48.4385, 55.0664



81.3665, 85.5479, 98.4501



45.8867, 47.7322, 54.9393



9.9753, 10.4865, 12.1705



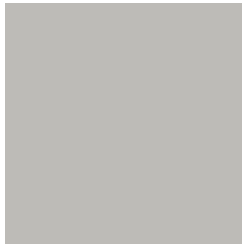
7.4351, 4.9820, 32.9627



0.3526, 0.3178, 1.3116

Previews

White Background



This preview shows how the XYZ color 47.3038, 49.7784, 51.9148 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 47.3038, 49.7784, 51.9148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

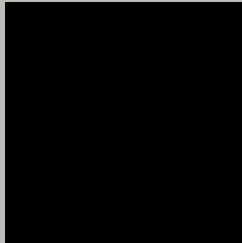
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

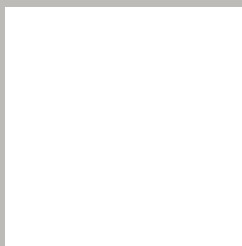
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.3038, 49.7784, 51.9148

Background



This preview shows how black text looks on a background with the XYZ color 47.3038, 49.7784, 51.9148.



This preview shows how white text looks on a background with the XYZ color 47.3038, 49.7784,

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

47.3038, 49.7784, 51.9148

Protanopia

47.5920, 49.6131, 51.8677

Deuteranopia

50.6292, 49.6303, 52.2585



Tritanopia

49.1436, 49.8978, 61.0739

Trichromacy



Original Color

47.3038, 49.7784, 51.9148

Protanomaly

47.3414, 49.4839, 51.8559

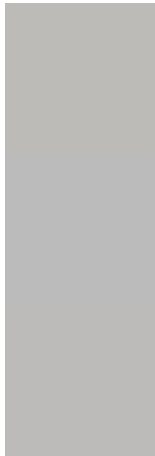
Deuteranomaly

49.4046, 49.6070, 52.3186

Tritanomaly

48.4197, 49.9152, 57.5347

Monochromacy



Original Color

47.3038, 49.7784, 51.9148

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.3723, 49.7772, 53.5655

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3038, 49.7784, 51.9148 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, 187, 183)` looks like.

```
.text, #text, p{  
    color:rgb(189, 187, 183)  
}
```

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, 187, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 187, 183) }
```

Border

The CSS property to change the border of an element to XYZ 47.3038, 49.7784, 51.9148 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, 187, 183) }
```


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

```
.border{ border-color:rgb(189, 187, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 187, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 187, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 187, 183);  
box-shadow:4px 4px 4px 4px rgb(189, 187,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3038, 49.7784, 51.9148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 187, 183) }
```

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

```
.background{ background-color: rgb(189,  
187, 183) }
```

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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