

Converting Colors

XYZ(50.3177, 57.2854, 48.0260)

Have a look what the booklet for
XYZ(50.3177, 57.2854, 48.0260)
contains.

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Color

**XYZ(50.1220, 57.0217,
47.8997)**

Conversions

Conversions Part 1

Format	Color
Hex	BDCCAD
RGB	189, 204, 173
RGB Percent	74%, 80%, 68%
CMY	0.2588, 0.2000, 0.3216
CMYK	0.07, 0.00, 0.15, 0.20
HSL	89°, 23%, 74%
HSV	89°, 15%, 80%
XYZ	50.1220, 57.0217, 47.8997
YIQ	195.9810, 1.0110, -12.8210

Conversions

Conversions Part 2

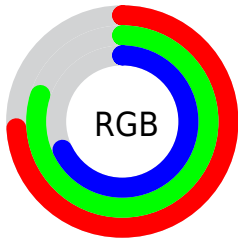
Format	Color
R _Y B	173, 204, 188
Decimal	12438701
CIE Lab	80.19, -10.66, 13.74
CIE LCh	80, 17.392, 127.819
Yxy	57.0217, 0.3233, 0.3678
Android (android.graphics.Color)	4290628781 (0xFFBDCCAD)
YUV	195.9810, -11.3296, -6.1223
Hunter-Lab	75.5127, -13.6668, 15.2497

Details

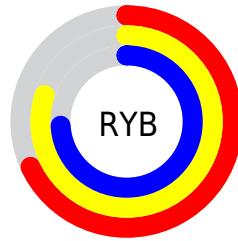
The XYZ color **50.1220, 57.0217, 47.8997** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **46.5839, 44.9396, 63.3488**, and the grayscale version is **52.5247, 55.2600, 60.1782**.

A 20% lighter version of the original color is **87.4198, 96.5339, 87.4242**, and **24.5109, 28.4274, 22.2843** is the 20% darker color. If you saturate the color by 10%, you get **45.9310, 55.0738, 38.1740**, and if you desaturate by 10%, it is **54.7843, 59.1811, 59.2232**.

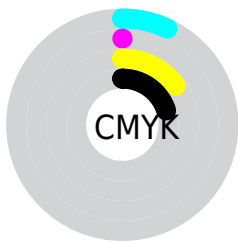
Distribution



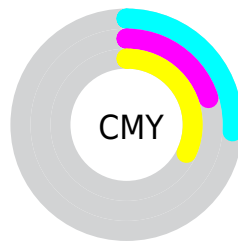
- Red (74%)
- Green (80%)
- Blue (68%)



- Red (68%)
- Yellow (80%)
- Blue (74%)



- Cyan (7%)
- Magenta (0%)
- Yellow (15%)
- Black (20%)



- Cyan (26%)
- Magenta (20%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.1220, 57.0217, 47.8997 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 50.1220, 57.0217, 47.8997 by changing the saturation by 10% instead.

■ 50.1220, 57.0217,
47.8997

■ 50.1220, 57.0217,
47.8997

377.5870,
413.5306, 394.8917

■ 35.7285, 41.0227,
33.3880

■ 89.5464, 100.4969,
88.4190

■ 24.3938, 28.3368,
22.1503

115.3080,
128.7418, 115.2638

■ 15.7523, 18.5797,
13.7680

145.5896,
161.8374, 147.0567

■ 9.4388, 11.3670,
7.8226

180.7568,
200.1682, 184.2162

■ 5.0879, 6.3142,
3.8955

221.1747,
244.1185, 227.1609

■ 2.3342, 3.0371,
1.5682

267.2088,

■ 0.8121, 1.1511,

294.0728, 276.3094

0.2680

319.2245,
350.4153, 332.0801

■ 0.0000, 0.0212,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 50.1220, 57.0217,
47.8997

■ 50.1220, 57.0217,
47.8997

■ 45.9310, 55.0738,
38.1740

■ 54.7843, 59.1811,
59.2232

■ 42.1898, 53.3228,
29.9705

■ 59.9292, 61.5513,
72.2082

■ 38.8817, 51.7636,
23.2130

■ 65.5734, 64.1412,
86.9193

■ 35.9874, 50.3880,
17.8173

■ 71.7313, 66.9570,
103.4168

■ 33.4856, 49.1870,
13.6903

■ 75.0263, 68.6483,
103.9039

■ 31.3527, 48.1508,
10.7274

■ 78.4394, 70.4078,
104.0636

■ 29.5618, 47.2682,
8.8072

■ 80.8840, 71.6680,
104.1780

■ 28.0806, 46.5258,
7.7817

■ 27.4525, 46.2082,
7.4722

Harmonies

Analogous

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



53.2748, 57.0217, 44.6763



50.1220, 57.0217, 47.8997



48.1239, 57.0217, 55.0007

Triad

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



50.1220, 57.0217, 47.8997



51.6631, 57.0217, 81.9878



61.2391, 57.0217, 59.4673

Complementary

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



50.1220, 57.0217, 47.8997



46.5839, 44.9396, 63.3488

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.



60.7616, 57.0217, 69.7572



50.1220, 57.0217, 47.8997



55.1306, 57.0217, 83.5186

Square

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



50.1220, 57.0217, 47.8997



48.9862, 57.0217, 74.8507



58.4880, 57.0217, 78.8307



59.7657, 57.0217, 50.8635

Rectangle

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



50.1220, 57.0217, 47.8997



47.6637, 57.0217, 61.3466



58.4880, 57.0217, 78.8307



61.3026, 57.0217, 62.8333

Sweetspot

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



50.1235, 57.0242, 47.9009



90.8309, 98.0543, 98.3405



50.4265, 51.8159, 46.8797



19.3182, 20.9307, 20.7435



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.



50.1235, 57.0242, 47.9009



80.8158, 93.4162, 74.1582



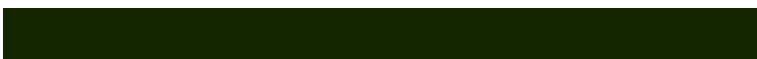
46.4854, 55.1487, 47.7307



11.6110, 12.8168, 11.9414



17.3861, 29.1382, 4.7079



0.9843, 1.5483, 0.2470

Inverse Universe

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



46.5839, 44.9396, 63.3488



73.9311, 69.9110, 104.2053



50.6053, 47.0128, 63.5370



11.1098, 11.1059, 14.1285



10.1863, 4.4588, 36.2800



0.6130, 0.2751, 1.8757

Previews

White Background



This preview shows how the XYZ color 50.1220, 57.0217, 47.8997 looks on a white background.

Color Contrast Check

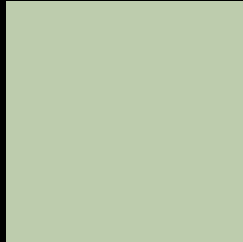
Large Text (above 18pt) WCAG AA × Fail

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 50.1220, 57.0217, 47.8997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

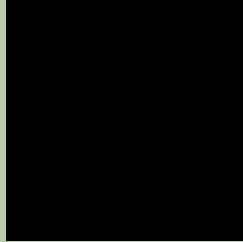
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

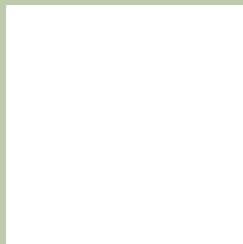
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.1220, 57.0217, 47.8997

Background



This preview shows how black text looks on a background with the XYZ color 50.1220, 57.0217, 47.8997.



This preview shows how white text looks on a background with the XYZ color 50.1220, 57.0217,

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

50.1220, 57.0217, 47.8997

Protanopia

53.7443, 56.8458, 46.1699

Deuteranopia

57.8313, 56.5649, 48.9444



Tritanopia

54.8374, 56.8453, 71.7003

Trichromacy



Original Color

50.1220, 57.0217, 47.8997

Protanomaly

52.3621, 56.8054, 46.7328

Deuteranomaly

54.9184, 56.7211, 48.6112

Tritanomaly

52.9554, 56.7695, 62.1994

Monochromacy



Original Color

50.1220, 57.0217, 47.8997

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

51.4928, 55.8151, 55.6364

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1220, 57.0217, 47.8997 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, 204, 173)` looks like.

```
.text, #text, p{  
    color:rgb(189, 204, 173)  
}
```

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, 204, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 204, 173) }
```

Border

The CSS property to change the border of an element to XYZ 50.1220, 57.0217, 47.8997 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, 204, 173) }
```


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

```
.border{ border-color:rgb(189, 204, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 204, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 204, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 204, 173);  
box-shadow:4px 4px 4px 4px rgb(189, 204,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1220, 57.0217, 47.8997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 204, 173) }
```

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

```
.background{ background-color: rgb(189,  
204, 173) }
```

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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