

Converting Colors

XYZ(48.0657, 52.4640, 47.8549)

Have a look what the booklet for
XYZ(48.0657, 52.4640, 47.8549)
contains.

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Color

**XYZ(48.1670, 52.5867,
47.6560)**

Conversions

Conversions Part 1

Format	Color
Hex	BEC2AE
RGB	190, 194, 174
RGB Percent	75%, 76%, 68%
CMY	0.2549, 0.2392, 0.3176
CMYK	0.02, 0.00, 0.10, 0.24
HSL	72°, 14%, 72%
HSV	72°, 10%, 76%
XYZ	48.1670, 52.5867, 47.6560
YIQ	190.5240, 4.0360, -7.0680

Conversions

Conversions Part 2

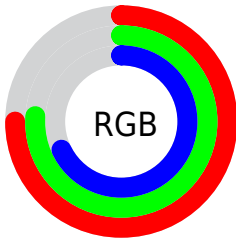
Format	Color
RYB	174, 194, 178
Decimal	12501678
CIELab	77.63, -4.95, 9.58
CIELCh	78, 10.782, 117.302
Yxy	52.5867, 0.3246, 0.3543
Android (android.graphics.Color)	4290691758 (0xFFBEC2AE)
YUV	190.5240, -8.1463, -0.4595
Hunter-Lab	72.5167, -8.3410, 11.7979

Details

The XYZ color **48.1670, 52.5867, 47.6560** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **43.2358, 43.6335, 57.1850**, and the grayscale version is **49.2909, 51.8579, 56.4733**.

A 20% lighter version of the original color is **86.3345, 93.6212, 87.6491**, and **23.2075, 25.4797, 22.1073** is the 20% darker color. If you saturate the color by 10%, you get **45.4542, 51.3927, 38.3591**, and if you desaturate by 10%, it is **51.1818, 53.9079, 58.3952**.

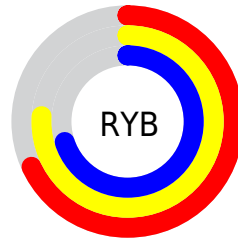
Distribution



Red (75%)

Green (76%)

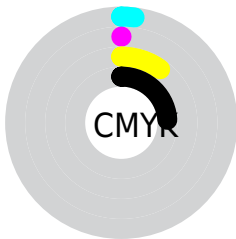
Blue (68%)



Red (68%)

Yellow (76%)

Blue (70%)

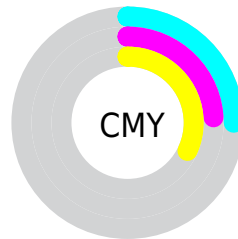


Cyan (2%)

Magenta (0%)

Yellow (10%)

Black (24%)



Cyan (25%)

Magenta (24%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.1670, 52.5867, 47.6560 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 48.1670, 52.5867, 47.6560 by changing the saturation by 10% instead.

■ 48.1670, 52.5867,
47.6560

■ 48.1670, 52.5867,
47.6560

370.0253,
396.6974, 393.8963

■ 34.1710, 37.4729,
33.1965

■ 86.6612, 93.9959,
88.0522

■ 23.1885, 25.5739,
22.0047

111.8900,
121.0602, 114.8260

■ 14.8542, 16.5051,
13.6620

141.5939,
152.8767, 146.5416

■ 8.8028, 9.8823,
7.7499

176.1381,
189.8299, 183.6176

■ 4.6688, 5.3210,
3.8499

215.8879,
232.3042, 226.4726

■ 2.0870, 2.4368,
1.5433

261.2089,

■ 0.6822, 0.8447,

280.6839, 275.5249

0.2499

312.4662,
335.3536, 331.1933

■ 0.0000, 0.0000,
0.0000

■ 48.1670, 52.5867,
47.6560

■ 48.1670, 52.5867,
47.6560

■ 45.4542, 51.3927,
38.3591

■ 51.1818, 53.9079,
58.3952

■ 43.0271, 50.3143,
30.4397

■ 54.5053, 55.3538,
70.6310

■ 40.8746, 49.3487,
23.8330

■ 58.1497, 56.9312,
84.4192

■ 38.9829, 48.4902,
18.4680

■ 62.1248, 58.6439,
99.8114

■ 37.3370, 47.7330,
14.2666

■ 63.7551, 59.4217,
102.7170

■ 35.9201, 47.0703,
11.1420

■ 64.8702, 59.9965,
102.7692

■ 34.7134, 46.4945,
8.9953

■ 66.0122, 60.5852,
102.8226

■ 33.6943, 45.9965,
7.7094

■ 67.1813, 61.1880,
102.8774

■ 32.8440, 45.5715,
7.0651

■ 68.3779, 61.8048,
102.9334

Harmonies

Analogous

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



50.1709, 52.5867, 46.5451



48.1670, 52.5867, 47.6560



46.6861, 52.5867, 51.2809

Triad

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



48.1670, 52.5867, 47.6560



47.8490, 52.5867, 67.4658



54.0915, 52.5867, 57.7998

Complementary

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



48.1670, 52.5867, 47.6560



43.2358, 43.6335, 57.1850

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.



53.4297, 52.5867, 63.6823



48.1670, 52.5867, 47.6560



49.7937, 52.5867, 69.5001

Square

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



48.1670, 52.5867, 47.6560



46.5061, 52.5867, 62.6833



51.8422, 52.5867, 68.0702



53.6271, 52.5867, 52.1551

Rectangle

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



48.1670, 52.5867, 47.6560



46.1749, 52.5867, 54.7728



51.8422, 52.5867, 68.0702



53.9929, 52.5867, 59.8172

Sweetspot

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



48.1684, 52.5890, 47.6571



91.1744, 96.9858, 100.2021



45.8103, 46.3677, 46.5806



19.8668, 21.1954, 21.5866



0.0000, 0.0000, 0.0000



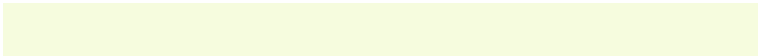
20.3446, 21.4041, 23.3091

Same Dimension

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



48.1684, 52.5890, 47.6571



86.2995, 94.8489, 82.9761



45.7559, 51.3453, 47.5442



10.7096, 11.6533, 10.7467



21.6607, 29.9954, 4.6480



0.9873, 1.3225, 0.2032

Inverse Universe

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



43.2358, 43.6335, 57.1850



75.8694, 75.9122, 103.1236



45.6144, 44.8598, 57.2963



9.7124, 9.8429, 12.6728



7.0026, 2.8704, 33.7416



0.3597, 0.1535, 1.4605

Previews

White Background



This preview shows how the XYZ color 48.1670, 52.5867, 47.6560 looks on a white background.

Color Contrast Check

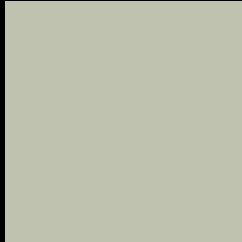
Large Text (above 18pt) WCAG AA × Fail

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 48.1670, 52.5867, 47.6560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

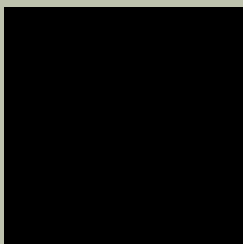
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

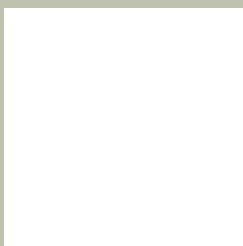
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.1670, 52.5867, 47.6560

Background



This preview shows how black text looks on a background with the XYZ color 48.1670, 52.5867, 47.6560.



This preview shows how white text looks on a background with the XYZ color 48.1670, 52.5867,

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

48.1670, 52.5867, 47.6560

Protanopia

49.8966, 52.5195, 46.5372

Deuteranopia

53.5043, 52.4314, 48.3746



Tritanopia

51.6810, 52.7040, 65.2066

Trichromacy



Original Color

48.1670, 52.5867, 47.6560

Protanomaly

49.1574, 52.4522, 47.0686

Deuteranomaly

51.4532, 52.3270, 47.9457

Tritanomaly

50.3607, 52.4941, 58.5170

Monochromacy



Original Color

48.1670, 52.5867, 47.6560

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

49.0925, 52.2784, 53.4022

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1670, 52.5867, 47.6560 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(190, 194, 174)` looks like.

```
.text, #text, p{  
    color:rgb(190, 194, 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(190, 194, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 194, 174) }
```

Border

The CSS property to change the border of an element to XYZ 48.1670, 52.5867, 47.6560 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(190, 194, 174) }
```


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

```
.border{ border-color:rgb(190, 194, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 194, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 194, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 194, 174);  
box-shadow:4px 4px 4px 4px rgb(190, 194,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1670, 52.5867, 47.6560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 194, 174) }
```

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

```
.background{ background-color: rgb(190,  
194, 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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