

Converting Colors

XYZ(48.0818, 52.1335, 48.3589)

Have a look what the booklet for
XYZ(48.0818, 52.1335, 48.3589)
contains.

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Color

**XYZ(48.1416, 52.2217,
48.6167)**

Conversions

Conversions Part 1

Format	Color
Hex	BEC1B0
RGB	190, 193, 176
RGB Percent	75%, 76%, 69%
CMY	0.2549, 0.2431, 0.3098
CMYK	0.02, 0.00, 0.09, 0.24
HSL	71°, 12%, 72%
HSV	71°, 9%, 76%
XYZ	48.1416, 52.2217, 48.6167
YIQ	190.1650, 3.6690, -5.9230

Conversions

Conversions Part 2

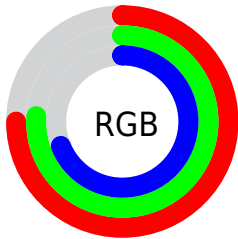
Format	Color
RYB	176, 193, 179
Decimal	12501424
CIELab	77.41, -4.08, 8.19
CIELCh	77, 9.153, 116.471
Yxy	52.2217, 0.3231, 0.3505
Android (android.graphics.Color)	4290691504 (0xFFBEC1B0)
YUV	190.1650, -6.9833, -0.1447
Hunter-Lab	72.2646, -7.5490, 10.6973

Details

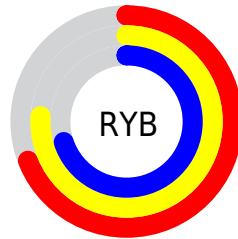
The XYZ color **48.1416, 52.2217, 48.6167** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **43.7435, 44.4860, 56.7361**, and the grayscale version is **49.0773, 51.6332, 56.2285**.

A 20% lighter version of the original color is **86.4472, 93.1704, 89.7714**, and **23.3327, 25.5298, 22.7668** is the 20% darker color. If you saturate the color by 10%, you get **45.5248, 51.0794, 39.2245**, and if you desaturate by 10%, it is **51.0527, 53.4874, 59.4422**.

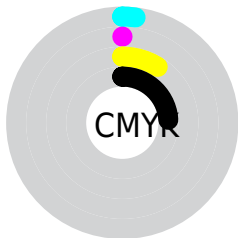
Distribution



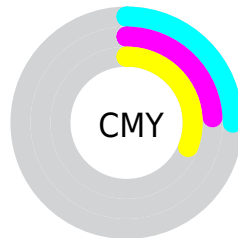
- Red (75%)
- Green (76%)
- Blue (69%)



- Red (69%)
- Yellow (76%)
- Blue (70%)



- Cyan (2%)
- Magenta (0%)
- Yellow (9%)
- Black (24%)



- Cyan (25%)
- Magenta (24%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.1416, 52.2217, 48.6167 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 48.1416, 52.2217, 48.6167 by changing the saturation by 10% instead.

■ 48.1416, 52.2217,
48.6167

■ 48.1416, 52.2217,
48.6167

369.9264,
395.2919, 397.8104

■ 34.1508, 37.1818,
33.9521

■ 86.6236, 93.4581,
89.4970

■ 23.1729, 25.3483,
22.5797

111.8455,
120.4234, 116.5497

■ 14.8426, 16.3367,
14.0811

141.5418,
152.1327, 148.5689

■ 8.7946, 9.7628,
8.0377

176.0778,
188.9703, 185.9731

■ 4.6635, 5.2419,
4.0310

215.8189,
231.3206, 229.1808

■ 2.0839, 2.3899,
1.6423

261.1305,

■ 0.6804, 0.8207,

279.5681, 278.6105

0.3208

312.3778,
334.0970, 334.6809

■ 0.0000, 0.0000,
0.0000

■ 48.1416, 52.2217,
48.6167

■ 48.1416, 52.2217,
48.6167

■ 45.5248, 51.0794,
39.2245

■ 51.0527, 53.4874,
59.4422

■ 43.1866, 50.0492,
31.2021

■ 54.2648, 54.8741,
71.7541

■ 41.1160, 49.1283,
24.4863

■ 57.7895, 56.3882,
85.6069

■ 39.2997, 48.3113,
19.0079

■ 61.6366, 58.0336,
101.0514

■ 37.7232, 47.5925,
14.6908

■ 62.8674, 58.6348,
102.6119

■ 36.3703, 46.9654,
11.4508

■ 63.8308, 59.1315,
102.6570

■ 35.2228, 46.4226,
9.1925

■ 64.8149, 59.6388,
102.7031

■ 34.2591, 45.9555,
7.8035

■ 65.8199, 60.1569,
102.7501

■ 33.4434, 45.5498,
7.0953

■ 66.8458, 60.6858,
102.7981

Harmonies

Analogous

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



49.8438, 52.2217, 47.7232



48.1416, 52.2217, 48.6167



46.8666, 52.2217, 51.6722

Triad

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



48.1416, 52.2217, 48.6167



47.7888, 52.2217, 65.3305



53.0909, 52.2217, 57.4594

Complementary

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



48.1416, 52.2217, 48.6167



43.7435, 44.4860, 56.7361

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.



52.5106, 52.2217, 62.3851



48.1416, 52.2217, 48.6167



49.4271, 52.2217, 67.0955

Square

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



48.1416, 52.2217, 48.6167



46.6664, 52.2217, 61.2920



51.1593, 52.2217, 65.9873



52.7273, 52.2217, 52.6480

Rectangle

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



48.1416, 52.2217, 48.6167



46.4164, 52.2217, 54.6227



51.1593, 52.2217, 65.9873



52.9994, 52.2217, 59.1587

Sweetspot

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



48.1430, 52.2240, 48.6178



89.1579, 94.8059, 97.9223



45.9173, 46.6470, 47.6587



19.0364, 20.2996, 20.6689



92.9021, 97.7402, 106.4391



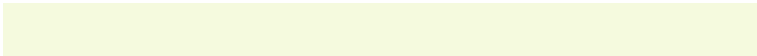
19.4759, 20.4902, 22.3138

Same Dimension

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



48.1430, 52.2240, 48.6178



85.0658, 93.0253, 82.8686



46.1210, 51.1816, 48.5232



10.7332, 11.6655, 10.7478



22.2412, 30.2946, 4.6752



1.0078, 1.3331, 0.2042

Inverse Universe

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



43.7435, 44.4860, 56.7361



75.2333, 75.7315, 101.0127



45.7279, 45.5090, 56.8289



9.6906, 9.8316, 12.6718



6.8916, 2.8132, 33.7364



0.3499, 0.1484, 1.4601

Previews

White Background



This preview shows how the XYZ color 48.1416, 52.2217, 48.6167 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 48.1416, 52.2217, 48.6167 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

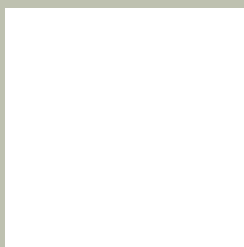
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.1416, 52.2217, 48.6167

Background



This preview shows how black text looks on a background with the XYZ color 48.1416, 52.2217, 48.6167.



This preview shows how white text looks on a background with the XYZ color 48.1416, 52.2217,

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

48.1416, 52.2217, 48.6167

Protanopia

49.4400, 51.9278, 47.9747

Deuteranopia

53.2007, 51.9424, 49.3414



Tritanopia

51.3448, 52.2242, 64.5008

Trichromacy



Original Color

48.1416, 52.2217, 48.6167

Protanomaly

48.8743, 51.9589, 48.0105

Deuteranomaly

51.1597, 51.8368, 48.9041

Tritanomaly

50.1434, 52.0594, 58.4446

Monochromacy



Original Color

48.1416, 52.2217, 48.6167

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.6230, 51.7115, 53.3176

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1416, 52.2217, 48.6167 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, 193, 176)` looks like.

```
.text, #text, p{  
    color:rgb(190, 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(190, 193, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 193, 176) }
```

Border

The CSS property to change the border of an element to XYZ 48.1416, 52.2217, 48.6167 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, 193, 176) }
```


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

```
.border{ border-color:rgb(190, 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(190, 193, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 193, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 193, 176);  
box-shadow:4px 4px 4px 4px rgb(190, 193,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1416, 52.2217, 48.6167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 193, 176) }
```

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

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