

Converting Colors

XYZ(48.4970, 48.6915, 46.4078)

Have a look what the booklet for
XYZ(48.4970, 48.6915, 46.4078)
contains.

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Color

**XYZ(48.4238, 48.6214,
46.3678)**

Conversions

Conversions Part 1

Format	Color
Hex	CAB5AD
RGB	202, 181, 173
RGB Percent	79%, 71%, 68%
CMY	0.2078, 0.2902, 0.3216
CMYK	0.00, 0.10, 0.14, 0.21
HSL	17°, 21%, 74%
HSV	17°, 14%, 79%
XYZ	48.4238, 48.6214, 46.3678
YIQ	186.3670, 15.0840, 1.9640

Conversions

Conversions Part 2

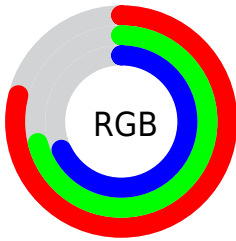
Format	Color
RYB	202, 184, 173
Decimal	13284781
CIELab	75.22, 6.17, 6.80
CIELCh	75, 9.182, 47.764
Yxy	48.6214, 0.3377, 0.3390
Android (android.graphics.Color)	4291474861 (0xFFCAB5AD)
YUV	186.3670, -6.5899, 13.7101
Hunter-Lab	69.7290, 1.9347, 9.3842

Details

The XYZ color **48.4238, 48.6214, 46.3678** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.1858, 51.7310, 63.3757**, and the grayscale version is **46.9089, 49.3518, 53.7441**.

A 20% lighter version of the original color is **85.5278, 87.4298, 85.7666**, and **23.3831, 23.1147, 21.3183** is the 20% darker color. If you saturate the color by 10%, you get **43.7960, 42.2607, 35.8998**, and if you desaturate by 10%, it is **53.6620, 55.7290, 58.4984**.

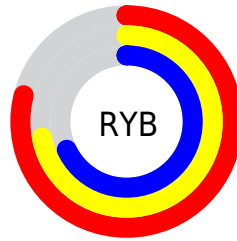
Distribution



Red (79%)

Green (71%)

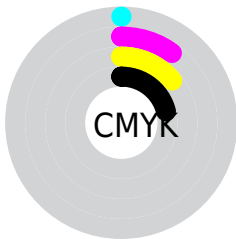
Blue (68%)



Red (79%)

Yellow (72%)

Blue (68%)

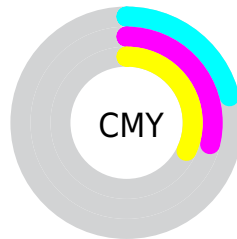


Cyan (0%)

Magenta (10%)

Yellow (14%)

Black (21%)



Cyan (21%)


Magenta (29%)

Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.4238, 48.6214, 46.3678 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 48.4238, 48.6214, 46.3678 by changing the saturation by 10% instead.


 48.4238, 48.6214,
46.3678

 48.4238, 48.6214,
46.3678


371.0242,
381.2499, 388.6058

 34.3753, 34.3192,
32.1854


 87.0409, 88.1289,
86.1092

 23.3463, 23.1390,
21.2372


112.3403,
114.1030, 112.5054

 14.9715, 14.6961,
13.1045


142.1206,
144.7366, 143.8098

 8.8856, 8.6064,
7.3690

176.7472,
180.4140, 180.4411

 4.7231, 4.4854,
3.6120

216.5855,
221.5196, 222.8179

 2.1188, 1.9486,
1.4150

262.0009,

 0.6994, 0.5774,

268.4379, 271.3585

0.1534

313.3587,
321.5532, 326.4817

■ 0.0000, 0.0000,
0.0000

■ 48.4238, 48.6214,
46.3678

■ 48.4238, 48.6214,
46.3678

■ 43.7960, 42.2607,
35.8998

■ 53.6620, 55.7290,
58.4984

■ 39.7519, 36.6161,
27.0186

■ 59.5282, 63.6004,
72.3569

■ 36.2685, 31.6637,
19.6467

■ 66.0442, 72.2599,
88.0087

■ 33.3196, 27.3762,
13.6994

■ 73.2295, 81.7289,
105.5151

■ 30.8769, 23.7243,
9.0829

■ 77.8904, 90.7429,
108.0176

■ 28.9094, 20.6763,
5.6926

■ 78.1673, 91.2967,
108.1099

■ 27.3820, 18.1975,
3.4075

■ 26.2537, 16.2491,
2.0816

■ 25.7594, 15.3609,
1.6073

Harmonies

Analogous

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



49.3655, 48.6214, 50.1615



48.4238, 48.6214, 46.3678



46.9027, 48.6214, 44.3859

Triad

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



48.4238, 48.6214, 46.3678



43.1208, 48.6214, 50.9995



47.2080, 48.6214, 62.2707

Complementary

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



48.4238, 48.6214, 46.3678



47.1858, 51.7310, 63.3757

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.



45.5304, 48.6214, 62.5290



48.4238, 48.6214, 46.3678



43.1980, 48.6214, 55.8201

Square

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



48.4238, 48.6214, 46.3678



43.8573, 48.6214, 46.9491



44.0709, 48.6214, 60.1066



48.6520, 48.6214, 59.4209

Rectangle

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



48.4238, 48.6214, 46.3678



45.7772, 48.6214, 44.2743



44.0709, 48.6214, 60.1066



46.6520, 48.6214, 62.6695

Sweetspot

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



48.4251, 48.6236, 46.3688



91.1401, 94.7387, 99.7090



49.0688, 46.3514, 57.5571



19.3546, 20.0713, 20.9834



0.0000, 0.0000, 0.0000



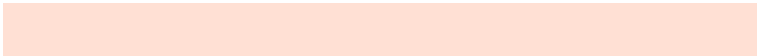
20.3446, 21.4041, 23.3091

Same Dimension

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



48.4251, 48.6236, 46.3688



79.6316, 79.1000, 73.1269



51.4679, 54.7091, 47.3831



11.4601, 11.7092, 11.7355



16.6406, 10.0142, 1.0559



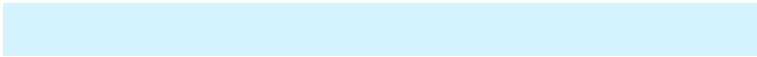
0.9232, 0.6461, 0.0761

Inverse Universe

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



47.1858, 51.7310, 63.3757



77.1619, 85.2877, 107.0031



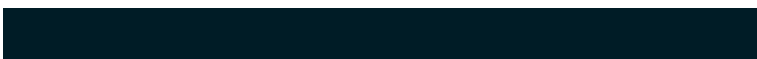
44.1691, 45.6975, 62.3701



11.2713, 12.1831, 14.3279



13.5770, 16.1781, 38.3634



0.7619, 0.9576, 1.9996

Previews

White Background



This preview shows how the XYZ color 48.4238, 48.6214, 46.3678 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 48.4238, 48.6214, 46.3678 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 48.4238, 48.6214, 46.3678

Background



This preview shows how black text looks on a background with the XYZ color 48.4238, 48.6214, 46.3678.



This preview shows how white text looks on a background with the XYZ color 48.4238, 48.6214,

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

48.4238, 48.6214, 46.3678

Protanopia

46.5727, 48.8694, 47.5355

Deuteranopia

49.6753, 48.6672, 46.3107



Tritanopia

50.6117, 48.6257, 56.5873

Trichromacy



Original Color

48.4238, 48.6214, 46.3678

Protanomaly

47.2861, 48.9391, 46.9983

Deuteranomaly

49.3177, 48.7815, 46.3516

Tritanomaly

49.7789, 48.5804, 52.6523

Monochromacy



Original Color

48.4238, 48.6214, 46.3678

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

47.2192, 48.8236, 50.6512

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4238, 48.6214, 46.3678 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(202, 181, 173)` looks like.

```
.text, #text, p{  
    color:rgb(202, 181, 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(202, 181, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 181, 173) }
```

Border

The CSS property to change the border of an element to XYZ 48.4238, 48.6214, 46.3678 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(202, 181, 173) }
```


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

```
.border{ border-color:rgb(202, 181, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 181, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 181, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 181, 173);  
box-shadow:4px 4px 4px 4px rgb(202, 181,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4238, 48.6214, 46.3678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 181, 173) }
```

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

```
.background{ background-color: rgb(202,  
181, 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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