

Converting Colors

XYZ(46.6853, 44.1883, 42.0496)

Have a look what the booklet for
XYZ(46.6853, 44.1883, 42.0496)
contains.

XYZ(46.6177, 44.0238, 42.1168)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.6177, 44.0238,
42.1168)**

Conversions

Conversions Part 1

Format	Color
Hex	CFA8A6
RGB	207, 168, 166
RGB Percent	81%, 66%, 65%
CMY	0.1882, 0.3412, 0.3490
CMYK	0.00, 0.19, 0.20, 0.19
HSL	3°, 30%, 73%
HSV	3°, 20%, 81%
XYZ	46.6177, 44.0238, 42.1168
YIQ	179.4330, 23.8860, 7.6460

Conversions

Conversions Part 2

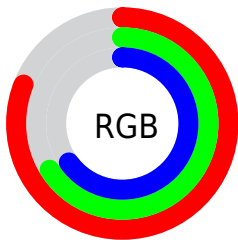
Format	Color
R_{YB}	207, 168, 166
Decimal	13609126
CIE _{Lab}	72.24, 13.95, 6.42
CIE _{LCh}	72, 15.356, 24.722
Yxy	44.0238, 0.3511, 0.3316
Android (android.graphics.Color)	4291799206 (0xFFCFA8A6)
YUV	179.4330, -6.6225, 24.1763
Hunter-Lab	66.3504, 9.3005, 8.8102

Details

The XYZ color **46.6177, 44.0238, 42.1168** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **48.8193, 56.2733, 67.3207**, and the grayscale version is **43.1051, 45.3499, 49.3861**.

A 20% lighter version of the original color is **80.6788, 79.2558, 79.4523**, and **22.2315, 20.3811, 18.6818** is the 20% darker color. If you saturate the color by 10%, you get **41.5060, 36.5984, 31.7866**, and if you desaturate by 10%, it is **52.5878, 52.6761, 54.2420**.

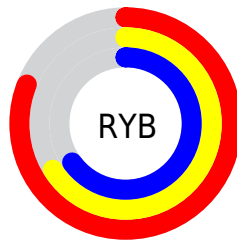
Distribution



Red (81%)

Green (66%)

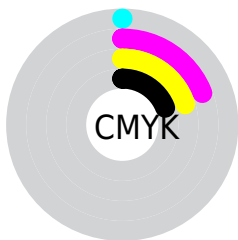
Blue (65%)



Red (81%)

Yellow (66%)

Blue (65%)

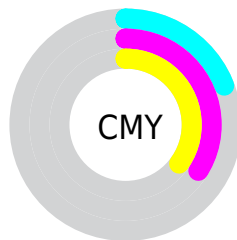


Cyan (0%)

Magenta (19%)

Yellow (20%)

Black (19%)



Cyan (19%)

Magenta (34%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6177, 44.0238, 42.1168 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 46.6177, 44.0238, 42.1168 by changing the saturation by 10% instead.


 46.6177, 44.0238,
42.1168


 46.6177, 44.0238,
42.1168


363.9609,
362.8054, 370.7808

 32.9402, 30.6892,
28.8665


 84.3649, 81.2536,
79.6484

 22.2397, 20.3623,
18.7351


 109.1653,
105.9175, 104.7667

 14.1507, 12.6587,
11.3042


138.4041,
135.1267, 134.6782

 8.3080, 7.1939,
6.1551

172.4466,
169.2656, 169.8013

 4.3461, 3.5837,
2.8693

211.6582,
208.7185, 210.5545

 1.8997, 1.4435,
1.0283

256.4042,

 0.5767, 0.2485,

253.8698, 257.3565

0.0000

307.0500,
305.1040, 310.6258

0.0000, 0.0000,
0.0000

46.6177, 44.0238,
42.1168

46.6177, 44.0238,
42.1168

41.5060, 36.5984,
31.7866

52.5878, 52.6761,
54.2420

37.2099, 30.3387,
23.1635

59.4494, 62.6010,
68.2389

33.6882, 25.1874,
16.1564

67.2383, 73.8491,
84.1831

30.8948, 21.0798,
10.6648

75.9872, 86.4666,
102.1450

28.7785, 17.9447,
6.5767

79.5423, 92.0055,
108.1743

■ 27.2819, 15.7017,
3.7647

■ 26.3376, 14.2580,
2.0783

■ 25.8485, 13.4944,
1.2538

■ 25.8421, 13.4851,
1.2409

Harmonies

Analogous

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



47.0954, 44.0238, 49.2819



46.6177, 44.0238, 42.1168



44.8391, 44.0238, 37.0349

Triad

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



46.6177, 44.0238, 42.1168



37.8408, 44.0238, 40.0309



41.3789, 44.0238, 63.8886

Complementary

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



46.6177, 44.0238, 42.1168



48.8193, 56.2733, 67.3207

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.



38.9840, 44.0238, 60.7867



46.6177, 44.0238, 42.1168



36.9969, 44.0238, 46.6117

Square

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



46.6177, 44.0238, 42.1168



39.7593, 44.0238, 35.9221



37.4065, 44.0238, 54.2645



43.9989, 44.0238, 62.3642

Rectangle

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



46.6177, 44.0238, 42.1168



43.1930, 44.0238, 35.2519



37.4065, 44.0238, 54.2645



40.5221, 44.0238, 63.3435

Sweetspot

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



46.6189, 44.0258, 42.1177



88.2157, 90.1176, 94.9496



50.4649, 44.9768, 64.1813



18.7295, 19.0685, 20.0127



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.



46.6189, 44.0258, 42.1177



70.8740, 64.9837, 59.7289



50.5703, 51.9286, 43.4348



11.8544, 11.8995, 12.2841



16.3017, 8.5364, 0.7885



0.9281, 0.5106, 0.0496

Inverse Universe

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



48.8193, 56.2733, 67.3207



75.0601, 88.2893, 107.6932



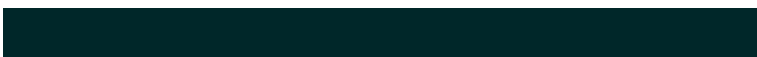
44.3658, 47.3663, 65.8362



12.1068, 13.3039, 15.1735



19.6796, 28.0059, 41.5609



1.1159, 1.5970, 2.3290

Previews

White Background



This preview shows how the XYZ color 46.6177, 44.0238, 42.1168 looks on a white background.

Color Contrast Check

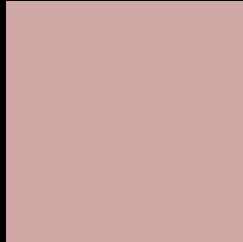
Large Text (above 18pt) WCAG AA × Fail

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 46.6177, 44.0238, 42.1168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

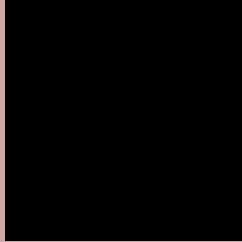
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.6177, 44.0238, 42.1168

Background



This preview shows how black text looks on a background with the XYZ color 46.6177, 44.0238, 42.1168.



This preview shows how white text looks on a background with the XYZ color 46.6177, 44.0238,

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

46.6177, 44.0238, 42.1168

Protanopia

42.3642, 44.3296, 44.8517

Deuteranopia

44.9076, 43.9845, 41.7203



Tritanopia

48.0674, 44.0824, 48.6232

Trichromacy



Original Color

46.6177, 44.0238, 42.1168

Protanomaly

43.7833, 44.2130, 43.7625

Deuteranomaly

45.5234, 44.0226, 41.6952

Tritanomaly

47.4711, 44.1033, 46.0552

Monochromacy



Original Color

46.6177, 44.0238, 42.1168

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

43.9562, 44.5348, 46.3237

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6177, 44.0238, 42.1168 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(207, 168, 166)` looks like.

```
.text, #text, p{  
    color:rgb(207, 168, 166)  
}
```

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(207, 168, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 168, 166) }
```

Border

The CSS property to change the border of an element to XYZ 46.6177, 44.0238, 42.1168 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(207, 168, 166) }
```


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

```
.border{ border-color:rgb(207, 168, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 168, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 168, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 168, 166);  
box-shadow:4px 4px 4px 4px rgb(207, 168,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6177, 44.0238, 42.1168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 168, 166) }
```

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

```
.background{ background-color: rgb(207,  
168, 166) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor