

Converting Colors

XYZ(46.5488, 45.1592, 42.7003)

Have a look what the booklet for
XYZ(46.5488, 45.1592, 42.7003)
contains.

XYZ(46.6294, 45.1324, 42.8130)	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(46.6294, 45.1324,
42.8130)**

Conversions

Conversions Part 1

Format	Color
Hex	CCACA7
RGB	204, 172, 167
RGB Percent	80%, 67%, 65%
CMY	0.2000, 0.3255, 0.3451
CMYK	0.00, 0.16, 0.18, 0.20
HSL	8°, 27%, 73%
HSV	8°, 18%, 80%
XYZ	46.6294, 45.1324, 42.8130
YIQ	180.9980, 20.6770, 5.2290

Conversions

Conversions Part 2

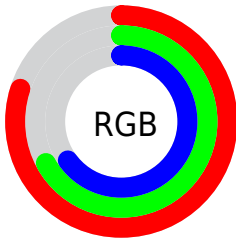
Format	Color
R _Y B	204, 173, 167
Decimal	13413543
CIE Lab	72.98, 10.82, 6.89
CIE LCh	73, 12.824, 32.500
Yxy	45.1324, 0.3465, 0.3354
Android (android.graphics.Color)	4291603623 (0xFFCCACA7)
YUV	180.9980, -6.9010, 20.1728
Hunter-Lab	67.1807, 6.3289, 9.2420

Details

The XYZ color **46.6294, 45.1324, 42.8130** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **47.2585, 53.4207, 64.9476**, and the grayscale version is **43.9492, 46.2380, 50.3531**.

A 20% lighter version of the original color is **81.8939, 81.4721, 80.5167**, and **22.2054, 21.0603, 19.1143** is the 20% darker color. If you saturate the color by 10%, you get **41.7529, 38.1630, 32.6055**, and if you desaturate by 10%, it is **52.2516, 53.1163, 54.7378**.

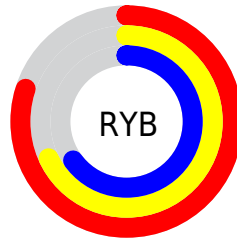
Distribution



Red (80%)

Green (67%)

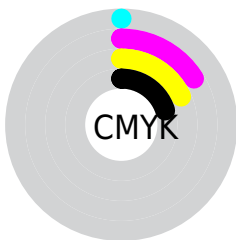
Blue (65%)



Red (80%)

Yellow (68%)

Blue (65%)

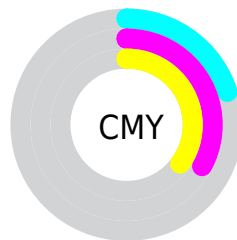


Cyan (0%)

Magenta (16%)

Yellow (18%)

Black (20%)



Cyan (20%)


Magenta (33%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.6294, 45.1324, 42.8130 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 46.6294, 45.1324, 42.8130 by changing the saturation by 10% instead.


 46.6294, 45.1324,
42.8130


 46.6294, 45.1324,
42.8130


364.0070,
367.3095, 373.7408

 32.9495, 31.5617,
29.4081


 84.3823, 82.9191,
80.7119

 22.2468, 21.0270,
19.1415


 109.1860,
107.9038, 106.0430

 14.1560, 13.1437,
11.5947


138.4283,
137.4621, 136.1866

 8.3117, 7.5276,
6.3492

172.4746,
171.9782, 171.5612

 4.3485, 3.7942,
2.9864

211.6903,
211.8366, 212.5854

 1.9011, 1.5591,
1.0877

256.4407,

 0.5775, 0.3298,

257.4217, 259.6777

0.0000

307.0911,
309.1179, 313.2566

0.0000, 0.0000,
0.0000

46.6294, 45.1324,
42.8130

46.6294, 45.1324,
42.8130

41.7529, 38.1630,
32.6055

52.2516, 53.1163,
54.7378

37.5872, 32.1615,
24.0335

58.6453, 62.1468,
68.4511

34.0997, 27.0869,
17.0125

65.8395, 72.2619,
84.0233

31.2542, 22.8928,
11.4496

73.8608, 83.4962,
101.5205

29.0109, 19.5286,
7.2415

78.7120, 91.5775,
108.1354

■ 27.3254, 16.9387,
4.2718

■ 26.1472, 15.0606,
2.4040

■ 25.4096, 13.8192,
1.4373

■ 25.3076, 13.6486,
1.3006

Harmonies

Analogous

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



47.3411, 45.1324, 48.6059



46.6294, 45.1324, 42.8130



44.9147, 45.1324, 39.0009

Triad

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



46.6294, 45.1324, 42.8130



39.1923, 45.1324, 43.6680



43.0850, 45.1324, 62.5101

Complementary

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



46.6294, 45.1324, 42.8130



47.2585, 53.4207, 64.9476

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.



40.9406, 45.1324, 60.9031



46.6294, 45.1324, 42.8130



38.7401, 45.1324, 49.6811

Square

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



46.6294, 45.1324, 42.8130



40.6263, 45.1324, 39.4636



39.3693, 45.1324, 56.0648



45.2508, 45.1324, 60.2850

Rectangle

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



46.6294, 45.1324, 42.8130



43.4611, 45.1324, 37.9081



39.3693, 45.1324, 56.0648



42.3378, 45.1324, 62.4001

Sweetspot

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



46.6306, 45.1344, 42.8139



89.6475, 92.3717, 97.3060



49.0376, 44.6020, 60.0983



19.0315, 19.5496, 20.4920



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.



46.6306, 45.1344, 42.8139



73.7259, 69.7562, 63.5505



50.3848, 52.6428, 44.0653



11.3326, 11.4542, 11.6930



15.9684, 8.6698, 0.8318



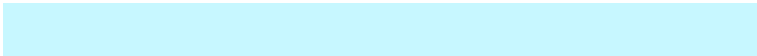
0.8647, 0.5291, 0.0566

Inverse Universe

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



47.2585, 53.4207, 64.9476



74.9639, 86.1230, 107.2801



43.2719, 45.4475, 63.6187



11.4089, 12.4582, 14.3737



16.7328, 22.4896, 39.4153



0.8999, 1.2336, 2.0456

Previews

White Background



This preview shows how the XYZ color 46.6294, 45.1324, 42.8130 looks on a white background.

Color Contrast Check

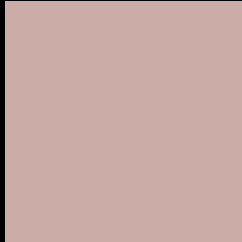
Large Text (above 18pt) WCAG AA × Fail

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 46.6294, 45.1324, 42.8130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

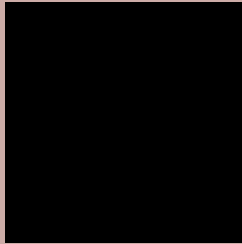
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.6294, 45.1324, 42.8130

Background



This preview shows how black text looks on a background with the XYZ color 46.6294, 45.1324, 42.8130.



This preview shows how white text looks on a background with the XYZ color 46.6294, 45.1324,

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

46.6294, 45.1324, 42.8130

Protanopia

43.4784, 45.4948, 45.0179

Deuteranopia

46.0060, 45.0947, 42.8386



Tritanopia

48.3756, 45.2902, 50.9920

Trichromacy



Original Color

46.6294, 45.1324, 42.8130

Protanomaly

44.5193, 45.1594, 44.4004

Deuteranomaly

46.2757, 45.2337, 42.8512

Tritanomaly

47.6756, 45.2793, 47.8220

Monochromacy



Original Color

46.6294, 45.1324, 42.8130

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

44.7431, 45.7942, 47.5552

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6294, 45.1324, 42.8130 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(204, 172, 167)` looks like.

```
.text, #text, p{  
    color:rgb(204, 172, 167)  
}
```

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(204, 172, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 172, 167) }
```

Border

The CSS property to change the border of an element to XYZ 46.6294, 45.1324, 42.8130 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(204, 172, 167) }
```


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

```
.border{ border-color:rgb(204, 172, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 172, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 172, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 172, 167);  
box-shadow:4px 4px 4px 4px rgb(204, 172,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6294, 45.1324, 42.8130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 172, 167) }
```

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

```
.background{ background-color: rgb(204,  
172, 167) }
```

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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