

Converting Colors

XYZ(46.6981, 45.6060, 44.3381)

Have a look what the booklet for
XYZ(46.6981, 45.6060, 44.3381)
contains.

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Color

**XYZ(46.7489, 45.7309,
44.3932)**

Conversions

Conversions Part 1

Format	Color
Hex	CAAEEA
RGB	202, 174, 170
RGB Percent	79%, 68%, 67%
CMY	0.2078, 0.3176, 0.3333
CMYK	0.00, 0.14, 0.16, 0.21
HSL	8°, 23%, 73%
HSV	8°, 16%, 79%
XYZ	46.7489, 45.7309, 44.3932
YIQ	181.9160, 17.9720, 4.6920

Conversions

Conversions Part 2

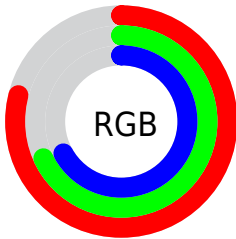
Format	Color
R _Y B	202, 175, 170
Decimal	13282986
CIE Lab	73.37, 9.46, 5.78
CIE LCh	73, 11.092, 31.433
Yxy	45.7309, 0.3415, 0.3341
Android (android.graphics.Color)	4291473066 (0xFFCAAEEA)
YUV	181.9160, -5.8746, 17.6137
Hunter-Lab	67.6246, 5.0539, 8.4154

Details

The XYZ color **46.7489, 45.7309, 44.3932** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **47.4321, 53.1975, 63.6459**, and the grayscale version is **44.4428, 46.7573, 50.9187**.

A 20% lighter version of the original color is **83.1274, 83.2899, 82.9294**, and **22.4423, 21.5230, 20.1111** is the 20% darker color. If you saturate the color by 10%, you get **41.7906, 38.6408, 34.0261**, and if you desaturate by 10%, it is **52.4526, 53.8410, 56.4585**.

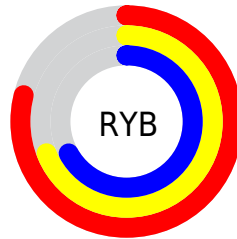
Distribution



Red (79%)

Green (68%)

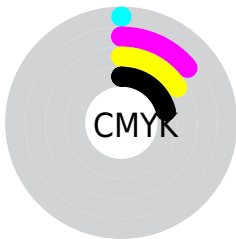
Blue (67%)



Red (79%)

Yellow (69%)

Blue (67%)

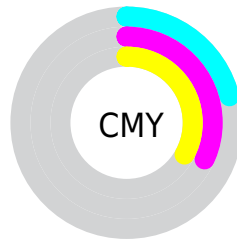


Cyan (0%)

Magenta (14%)

Yellow (16%)

Black (21%)



Cyan (21%)


Magenta (32%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.7489, 45.7309, 44.3932 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 46.7489, 45.7309, 44.3932 by changing the saturation by 10% instead.


 46.7489, 45.7309,
44.3932

 46.7489, 45.7309,
44.3932


364.4770,
369.7257, 380.3986

 33.0443, 32.0335,
30.6403


 84.5597, 83.8161,
83.1179

 22.3198, 21.3871,
20.0689


109.3966,
108.9728, 108.9267

 14.2100, 13.4073,
12.2606


138.6751,
138.7179, 139.5912

 8.3495, 7.7096,
6.7967

172.7603,
173.4360, 175.5300

 4.3731, 3.9097,
3.2588

212.0178,
213.5115, 217.1616

 1.9153, 1.6232,
1.2282

256.8129,

 0.5857, 0.3731,

259.3286, 264.9046

0.0019

307.5108,
311.2719, 319.1774

■ 0.0000, 0.0000,
0.0000

■ 46.7489, 45.7309,
44.3932

■ 46.7489, 45.7309,
44.3932

■ 41.7906, 38.6408,
34.0261

■ 52.4526, 53.8410,
56.4585

■ 37.5432, 32.5244,
25.2780

■ 58.9269, 63.0029,
70.2903

■ 33.9750, 27.3409,
18.0681

■ 66.2004, 73.2546,
85.9570

■ 31.0505, 23.0443,
12.3069

■ 74.2992, 84.6303,
103.5222

■ 28.7307, 19.5847,
7.8963

■ 78.1674, 91.2967,
108.1099

■ 26.9727, 16.9071,
4.7255

■ 25.7275, 14.9499,
2.6663

■ 24.9368, 13.6419,
1.5601

■ 24.7109, 13.2637,
1.2577

Harmonies

Analogous

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



47.3285, 45.7309, 49.5247



46.7489, 45.7309, 44.3932



45.2861, 45.7309, 40.9335

Triad

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



46.7489, 45.7309, 44.3932



40.2509, 45.7309, 44.8262



43.5598, 45.7309, 61.3352

Complementary

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



46.7489, 45.7309, 44.3932



47.4321, 53.1975, 63.6459

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.



41.6950, 45.7309, 59.8470



46.7489, 45.7309, 44.3932



39.8193, 45.7309, 50.0626

Square

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



46.7489, 45.7309, 44.3932



41.5370, 45.7309, 41.1700



40.3402, 45.7309, 55.6142



45.4535, 45.7309, 59.5434

Rectangle

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



46.7489, 45.7309, 44.3932



44.0276, 45.7309, 39.8989



40.3402, 45.7309, 55.6142



42.9089, 45.7309, 61.2013

Sweetspot

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



46.7502, 45.7330, 44.3942



89.6087, 92.2941, 97.2931



48.9563, 45.3962, 59.7701



19.0221, 19.5308, 20.4889



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.



46.7502, 45.7330, 44.3942



76.1442, 73.1364, 68.8469



49.9692, 52.1710, 45.4672



11.3236, 11.4361, 11.6900



15.9369, 8.6067, 0.8213



0.8605, 0.5207, 0.0552

Inverse Universe

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



47.4321, 53.1975, 63.6459



77.5132, 88.1339, 107.5339



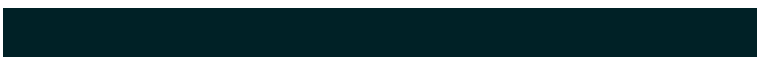
44.0215, 46.3762, 62.5090



11.4189, 12.4782, 14.3771



16.9874, 22.9987, 39.5001



0.9107, 1.2552, 2.0492

Previews

White Background



This preview shows how the XYZ color 46.7489, 45.7309, 44.3932 looks on a white background.

Color Contrast Check

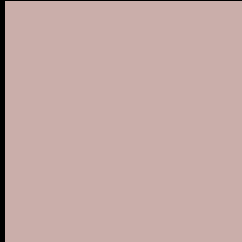
Large Text (above 18pt) WCAG AA × Fail

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 46.7489, 45.7309, 44.3932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

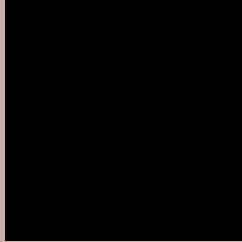
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.7489, 45.7309, 44.3932

Background



This preview shows how black text looks on a background with the XYZ color 46.7489, 45.7309, 44.3932.



This preview shows how white text looks on a background with the XYZ color 46.7489, 45.7309,

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

46.7489, 45.7309, 44.3932

Protanopia

43.8717, 45.9739, 46.0967

Deuteranopia

46.7489, 45.7309, 44.3932



Tritanopia

48.4113, 45.8452, 52.1964

Trichromacy



Original Color

46.7489, 45.7309, 44.3932

Protanomaly

44.8526, 45.8957, 45.5245

Deuteranomaly

46.7489, 45.7309, 44.3932

Tritanomaly

47.8104, 45.8789, 49.5157

Monochromacy



Original Color

46.7489, 45.7309, 44.3932

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

45.1422, 46.2734, 48.6719

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7489, 45.7309, 44.3932 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, 174, 170)` looks like.

```
.text, #text, p{  
    color:rgb(202, 174, 170)  
}
```

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, 174, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 174, 170) }
```

Border

The CSS property to change the border of an element to XYZ 46.7489, 45.7309, 44.3932 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, 174, 170) }
```


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

```
.border{ border-color:rgb(202, 174, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 174, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 174, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 174, 170);  
box-shadow:4px 4px 4px 4px rgb(202, 174,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7489, 45.7309, 44.3932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 174, 170) }
```

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

```
.background{ background-color: rgb(202,  
174, 170) }
```

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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