

Converting Colors

XYZ(46.6499, 48.7318, 39.7779)

Have a look what the booklet for
XYZ(46.6499, 48.7318, 39.7779)
contains.

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Color

**XYZ(46.6872, 48.7899,
39.7576)**

Conversions

Conversions Part 1

Format	Color
Hex	C6B89F
RGB	198, 184, 159
RGB Percent	78%, 72%, 62%
CMY	0.2235, 0.2784, 0.3765
CMYK	0.00, 0.07, 0.20, 0.22
HSL	38°, 25%, 70%
HSV	38°, 20%, 78%
XYZ	46.6872, 48.7899, 39.7576
YIQ	185.3360, 16.3690, -4.8070

Conversions

Conversions Part 2

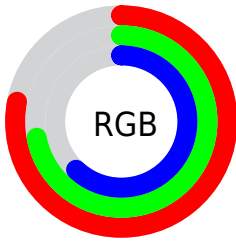
Format	Color
RYB	181, 198, 159
Decimal	13023391
CIELab	75.32, 0.89, 14.50
CIELCh	75, 14.526, 86.503
Yxy	48.7899, 0.3452, 0.3608
Android (android.graphics.Color)	4291213471 (0xFFC6B89F)
YUV	185.3360, -12.9836, 11.1063
Hunter-Lab	69.8498, -2.9287, 15.1477

Details

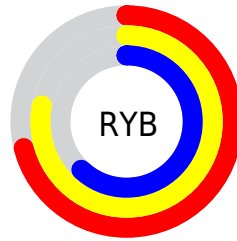
The XYZ color **46.6872, 48.7899, 39.7576** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **39.4345, 41.3344, 59.3264**, and the grayscale version is **46.3659, 48.7805, 53.1220**.

A 20% lighter version of the original color is **84.5377, 88.4352, 76.2324**, and **22.3247, 23.2446, 17.4974** is the 20% darker color. If you saturate the color by 10%, you get **43.6660, 45.2802, 30.9418**, and if you desaturate by 10%, it is **50.0604, 52.5623, 50.0498**.

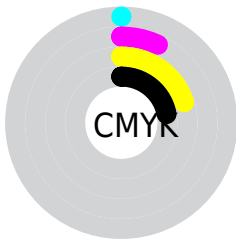
Distribution



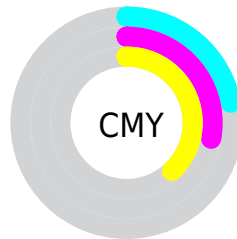
- Red (78%)
- Green (72%)
- Blue (62%)



- Red (71%)
- Yellow (78%)
- Blue (62%)



- Cyan (0%)
- Magenta (7%)
- Yellow (20%)
- Black (22%)



- Cyan (22%)
- Magenta (28%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6872, 48.7899, 39.7576 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 46.6872, 48.7899, 39.7576 by changing the saturation by 10% instead.

■ 46.6872, 48.7899,
39.7576

■ 46.6872, 48.7899,
39.7576

364.2344,
381.9146, 360.6225

■ 32.9954, 34.4528,
27.0373

■ 84.4681, 88.3793,
76.0273

■ 22.2821, 23.2417,
17.3685

■ 109.2879,
114.4005, 100.4137

■ 14.1821, 14.7721,
10.3329

138.5477,
145.0851, 129.5259

■ 8.3300, 8.6596,
5.5117

172.6128,
180.8177, 163.7825

■ 4.3604, 4.5198,
2.4866

211.8487,
221.9825, 203.6018

■ 1.9080, 1.9684,
0.8330

256.6207,

■ 0.5815, 0.5890,

268.9640, 249.4026

0.0000

307.2941,
322.1466, 301.6033

■ 0.0000, 0.0000,
0.0000

■ 46.6872, 48.7899,
39.7576

■ 46.6872, 48.7899,
39.7576

■ 43.6660, 45.2802,
30.9418

■ 50.0604, 52.5623,
50.0498

■ 40.9788, 42.0194,
23.5302

■ 53.7950, 56.5980,
61.8798

■ 38.6116, 39.0018,
17.4487

■ 57.9049, 60.9058,
75.3097

■ 36.5479, 36.2189,
12.6156

■ 62.4017, 65.4919,
90.3967

■ 34.7692, 33.6616,
8.9399

■ 66.8098, 70.1678,
104.6302

■ 33.2549, 31.3196,
6.3180

■ 68.7094, 73.9670,
105.2634

■ 31.9804, 29.1812,
4.6277

■ 70.6892, 77.9265,
105.9233

■ 30.9021, 27.2269,
3.6439

■ 72.7501, 82.0482,
106.6103

■ 30.8709, 27.1699,
3.6172

■ 74.8930, 86.3340,
107.3246

Harmonies

Analogous

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



49.2649, 48.7899, 41.7814



46.6872, 48.7899, 39.7576



44.1198, 48.7899, 41.0219

Triad

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



46.6872, 48.7899, 39.7576



41.9288, 48.7899, 59.9592



50.7879, 48.7899, 61.6590

Complementary

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



46.6872, 48.7899, 39.7576



39.4345, 41.3344, 59.3264

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.



48.7023, 48.7899, 67.3988



46.6872, 48.7899, 39.7576



43.5972, 48.7899, 66.3531

Square

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



46.6872, 48.7899, 39.7576



41.4352, 48.7899, 52.2321



46.0609, 48.7899, 69.1933



51.6890, 48.7899, 54.0258

Rectangle

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



46.6872, 48.7899, 39.7576



42.7478, 48.7899, 43.6322



46.0609, 48.7899, 69.1933



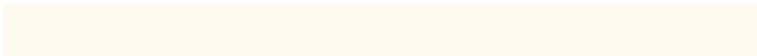
50.1983, 48.7899, 63.9010

Sweetspot

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



46.6885, 48.7921, 39.7586



90.9569, 95.6000, 95.8633



43.2593, 39.8314, 45.0964



19.3763, 20.3621, 20.2283



0.0000, 0.0000, 0.0000



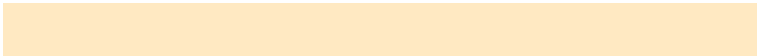
20.3446, 21.4041, 23.3091

Same Dimension

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



46.6885, 48.7921, 39.7586



80.1045, 83.4447, 62.8057



48.3939, 54.2030, 40.7132



11.1914, 11.7519, 11.2413



20.1594, 17.8359, 2.3802



1.0213, 0.9781, 0.1350

Inverse Universe

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



39.4345, 41.3344, 59.3264



64.7421, 67.6534, 104.2539



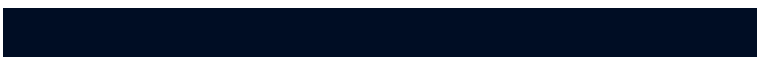
37.9429, 36.7880, 58.5275



10.3630, 10.9001, 13.4752



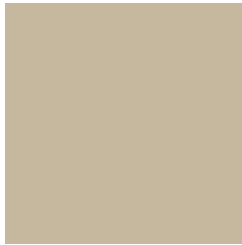
8.1707, 5.7353, 35.4207



0.4554, 0.4086, 1.7000

Previews

White Background



This preview shows how the XYZ color 46.6872, 48.7899, 39.7576 looks on a white background.

Color Contrast Check

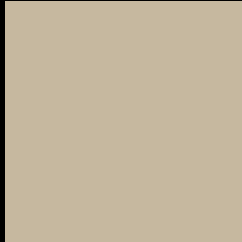
Large Text (above 18pt) WCAG AA × Fail

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 46.6872, 48.7899, 39.7576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

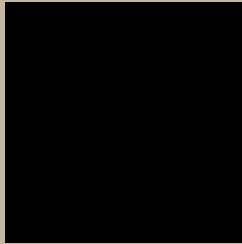
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.6872, 48.7899, 39.7576

Background



This preview shows how black text looks on a background with the XYZ color 46.6872, 48.7899, 39.7576.



This preview shows how white text looks on a background with the XYZ color 46.6872, 48.7899,

39.7576.

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

46.6872, 48.7899, 39.7576

Protanopia

46.1998, 48.8381, 40.2494

Deuteranopia

49.9058, 48.9244, 40.0707



Tritanopia

50.1029, 48.6470, 57.2012

Trichromacy



Original Color

46.6872, 48.7899, 39.7576

Protanomaly

46.4591, 48.9718, 40.2615

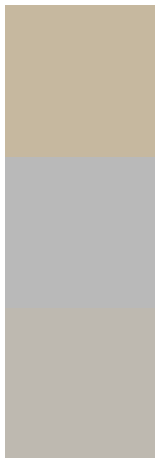
Deuteranomaly

48.8815, 48.9957, 40.1385

Tritanomaly

48.9518, 48.8015, 50.5556

Monochromacy



Original Color

46.6872, 48.7899, 39.7576

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.4206, 48.7797, 48.0431

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6872, 48.7899, 39.7576 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(198, 184, 159)` looks like.

```
.text, #text, p{  
    color:rgb(198, 184, 159)  
}
```

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(198, 184, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 184, 159) }
```

Border

The CSS property to change the border of an element to XYZ 46.6872, 48.7899, 39.7576 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(198, 184, 159) }
```


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

```
.border{ border-color:rgb(198, 184, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 184, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 184, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 184, 159);  
box-shadow:4px 4px 4px 4px rgb(198, 184,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6872, 48.7899, 39.7576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 184, 159) }
```

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

```
.background{ background-color: rgb(198,  
184, 159) }
```

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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