

Converting Colors

XYZ(46.6632, 47.6605, 42.2512)

Have a look what the booklet for
XYZ(46.6632, 47.6605, 42.2512)
contains.

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Color

**XYZ(46.8686, 47.9065,
42.3739)**

Conversions

Conversions Part 1

Format	Color
Hex	C7B5A5
RGB	199, 181, 165
RGB Percent	78%, 71%, 65%
CMY	0.2196, 0.2902, 0.3529
CMYK	0.00, 0.09, 0.17, 0.22
HSL	28°, 23%, 71%
HSV	28°, 17%, 78%
XYZ	46.8686, 47.9065, 42.3739
YIQ	184.5580, 15.8640, -1.1600

Conversions

Conversions Part 2

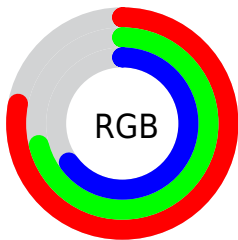
Format	Color
RYB	199, 195, 165
Decimal	13088165
CIELab	74.77, 3.79, 10.47
CIElCh	75, 11.137, 70.124
Yxy	47.9065, 0.3417, 0.3493
Android (android.graphics.Color)	4291278245 (0xFFC7B5A5)
YUV	184.5580, -9.6421, 12.6656
Hunter-Lab	69.2145, -0.2542, 12.1522

Details

The XYZ color **46.8686, 47.9065, 42.3739** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **42.7590, 45.9887, 60.6563**, and the grayscale version is **45.9154, 48.3066, 52.6058**.

A 20% lighter version of the original color is **84.4425, 86.9957, 80.0514**, and **22.3769, 22.6503, 18.8153** is the 20% darker color. If you saturate the color by 10%, you get **43.1354, 43.1164, 32.8778**, and if you desaturate by 10%, it is **51.0482, 53.1375, 53.4104**.

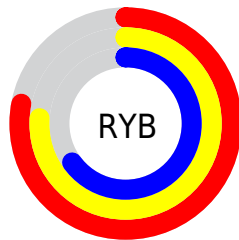
Distribution



Red (78%)

Green (71%)

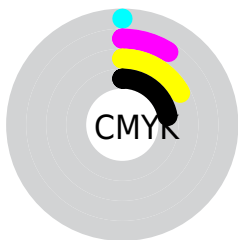
Blue (65%)



Red (78%)

Yellow (76%)

Blue (65%)

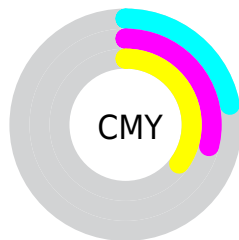


Cyan (0%)

Magenta (9%)

Yellow (17%)

Black (22%)



Cyan (22%)


Magenta (29%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8686, 47.9065, 42.3739 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 46.8686, 47.9065, 42.3739 by changing the saturation by 10% instead.


 46.8686, 47.9065,
42.3739


 46.8686, 47.9065,
42.3739


364.9475,
378.4214, 371.8758

 33.1393, 33.7528,
29.0664

 84.7374, 87.0652,
80.0414

 22.3929, 22.7038,
18.8851


 109.6076,
112.8390, 105.2385

 14.2641, 14.3749,
11.4113

138.9221,
143.2550, 135.2358

 8.3875, 8.3819,
6.2265

173.0464,
178.6975, 170.4520

 4.3978, 4.3403,
2.9123

212.3457,
219.5511, 211.3056

 1.9295, 1.8657,
1.0500

257.1854,

 0.5939, 0.5276,

266.2000, 258.2150

0.0000

307.9309,
319.0286, 311.5990

■ 0.0000, 0.0000,
0.0000

■ 46.8686, 47.9065,
42.3739

■ 46.8686, 47.9065,
42.3739

■ 43.1354, 43.1164,
32.8778

■ 51.0482, 53.1375,
53.4104

■ 39.8281, 38.7485,
24.8495

■ 55.6860, 58.8148,
66.0494

■ 36.9305, 34.7919,
18.2150

■ 60.7980, 64.9516,
80.3534

■ 34.4233, 31.2330,
12.8924

■ 66.3983, 71.5590,
96.3803

■ 32.2857, 28.0569,
8.7913

■ 70.9323, 78.0200,
105.9286

■ 30.4944, 25.2478,
5.8098

■ 74.0151, 84.1857,
106.9562

■ 29.0228, 22.7881,
3.8287

■ 77.2791, 90.7138,
108.0442

■ 27.8360, 20.6565,
2.6866

■ 77.3634, 90.8822,
108.0723

■ 27.5269, 20.0892,
2.4268

Harmonies

Analogous

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



48.5724, 47.9065, 45.3090



46.8686, 47.9065, 42.3739



44.8535, 47.9065, 41.9487

Triad

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



46.8686, 47.9065, 42.3739



41.8118, 47.9065, 54.1443



48.0860, 47.9065, 61.1496

Complementary

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



46.8686, 47.9065, 42.3739



42.7590, 45.9887, 60.6563

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.



46.2207, 47.9065, 63.9115



46.8686, 47.9065, 42.3739



42.6245, 47.9065, 59.6734

Square

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



46.8686, 47.9065, 42.3739



41.9737, 47.9065, 48.4666



44.2244, 47.9065, 63.3521



49.2895, 47.9065, 56.0407

Rectangle

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



46.8686, 47.9065, 42.3739



43.6098, 47.9065, 43.1101



44.2244, 47.9065, 63.3521



47.5133, 47.9065, 62.3999

Sweetspot

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



46.8699, 47.9086, 42.3749



90.9494, 94.9754, 97.7399



45.5700, 42.4774, 50.6702



19.3471, 20.1810, 20.5972



0.0000, 0.0000, 0.0000



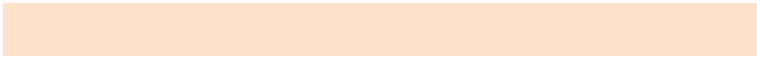
20.3446, 21.4041, 23.3091

Same Dimension

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



46.8699, 47.9086, 42.3749



79.2108, 80.2486, 66.8510



50.5088, 55.1864, 43.5879



11.0386, 11.4464, 11.1903



17.7865, 13.0902, 1.5892



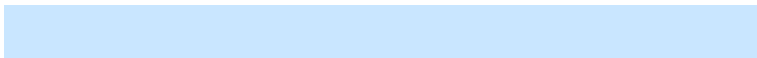
0.9146, 0.7645, 0.0994

Inverse Universe

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



42.7590, 45.9887, 60.6563



70.4980, 76.1788, 105.5961



39.4869, 39.4444, 59.5656



10.5136, 11.2012, 13.5254



9.9871, 9.3681, 36.0262



0.5450, 0.5878, 1.7299

Previews

White Background



This preview shows how the XYZ color 46.8686, 47.9065, 42.3739 looks on a white background.

Color Contrast Check

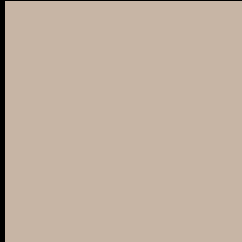
Large Text (above 18pt) WCAG AA × Fail

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 46.8686, 47.9065, 42.3739 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

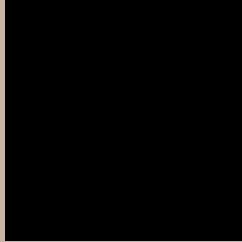
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.8686, 47.9065, 42.3739

Background



This preview shows how black text looks on a background with the XYZ color 46.8686, 47.9065, 42.3739.



This preview shows how white text looks on a background with the XYZ color 46.8686, 47.9065,

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

46.8686, 47.9065, 42.3739

Protanopia

45.5546, 47.8266, 42.9069

Deuteranopia

48.8996, 47.7528, 42.7163



Tritanopia

49.4832, 47.7624, 55.9012

Trichromacy



Original Color

46.8686, 47.9065, 42.3739

Protanomaly

46.1166, 47.8112, 42.8743

Deuteranomaly

47.9802, 47.5731, 42.7301

Tritanomaly

48.4513, 47.6357, 50.8969

Monochromacy



Original Color

46.8686, 47.9065, 42.3739

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.4116, 48.4425, 49.0237

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8686, 47.9065, 42.3739 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(199, 181, 165)` looks like.

```
.text, #text, p{  
    color:rgb(199, 181, 165)  
}
```

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(199, 181, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 181, 165) }
```

Border

The CSS property to change the border of an element to XYZ 46.8686, 47.9065, 42.3739 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(199, 181, 165) }
```


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

```
.border{ border-color:rgb(199, 181, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 181, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 181, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 181, 165);  
box-shadow:4px 4px 4px 4px rgb(199, 181,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8686, 47.9065, 42.3739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 181, 165) }
```

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

```
.background{ background-color: rgb(199,  
181, 165) }
```

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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