

Converting Colors

XYZ(46.2646, 42.4074, 48.8431)

Have a look what the booklet for
XYZ(46.2646, 42.4074, 48.8431)
contains.

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Color

**XYZ(46.2373, 42.3270,
48.9130)**

Conversions

Conversions Part 1

Format	Color
Hex	CCA3B4
RGB	204, 163, 180
RGB Percent	80%, 64%, 71%
CMY	0.2000, 0.3608, 0.2941
CMYK	0.00, 0.20, 0.12, 0.20
HSL	335°, 29%, 72%
HSV	335°, 20%, 80%
XYZ	46.2373, 42.3270, 48.9130
YIQ	177.1970, 18.9790, 13.9790

Conversions

Conversions Part 2

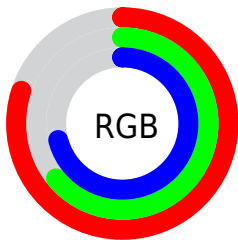
Format	Color
R_{YB}	204, 163, 180
Decimal	13411252
CIE _{Lab}	71.10, 17.82, -3.01
CIE _{LCh}	71, 18.077, 350.419
Yxy	42.3270, 0.3363, 0.3079
Android (android.graphics.Color)	4291601332 (0xFFCCA3B4)
YUV	177.1970, 1.3819, 23.5062
Hunter-Lab	65.0592, 13.0056, 0.9659

Details

The XYZ color **46.2373, 42.3270, 48.9130** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **45.6685, 54.5614, 55.1407**, and the grayscale version is **41.8804, 44.0615, 47.9829**.

A 20% lighter version of the original color is **81.4517, 77.4589, 90.0150**, and **21.9096, 19.2907, 22.6474** is the 20% darker color. If you saturate the color by 10%, you get **41.7387, 35.1933, 41.6675**, and if you desaturate by 10%, it is **51.4274, 50.6750, 56.9072**.

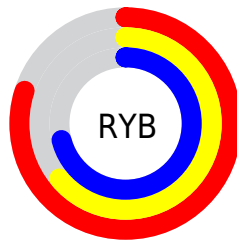
Distribution



Red (80%)

Green (64%)

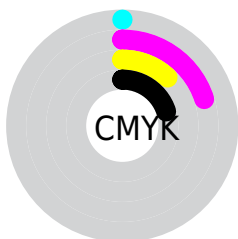
Blue (71%)



Red (80%)

Yellow (64%)

Blue (71%)

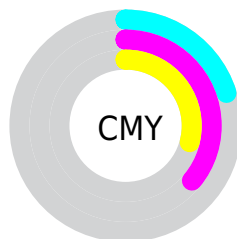


Cyan (0%)

Magenta (20%)

Yellow (12%)

Black (20%)



Cyan (20%)

Magenta (36%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.2373, 42.3270, 48.9130 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 46.2373, 42.3270, 48.9130 by changing the saturation by 10% instead.


 46.2373, 42.3270,
48.9130


 46.2373, 42.3270,
48.9130


362.4618,
355.8367, 399.0123

 32.6385, 29.3574,
34.1854


 83.7997, 78.6943,
89.9419

 22.0076, 19.3514,
22.7575


 108.4941,
102.8608, 117.0802

 13.9791, 11.9244,
14.2109


137.6177,
131.5284, 149.1925

 8.1877, 6.6923,
8.1271

171.5359,
165.0815, 186.6973

 4.2681, 3.2704,
4.0875

210.6141,
203.9045, 230.0131

 1.8549, 1.2745,
1.6734

255.2175,

 0.5504, 0.1213,

248.3817, 279.5585

0.3424

305.7117,
298.8977, 335.7521

■ 0.0000, 0.0000,
0.0000

■ 46.2373, 42.3270,
48.9130

■ 46.2373, 42.3270,
48.9130

■ 41.7387, 35.1933,
41.6675

■ 51.4274, 50.6750,
56.9072

■ 37.8974, 29.2111,
35.1449

■ 57.3341, 60.2847,
65.6695

■ 34.6816, 24.3208,
29.3216

■ 63.9855, 71.2081,
75.2219

■ 32.0554, 20.4549,
24.1714

■ 71.4071, 83.4924,
85.5846

■ 29.9788, 17.5385,
19.6664

■ 76.3479, 90.6318,
95.6851

■ 28.4067, 15.4862,
15.7760

■ 78.1784, 91.3640,
105.3248

■ 27.2859, 14.1970,
12.4661

■ 78.7122, 91.5775,
108.1354

■ 26.5250, 13.4867,
9.7114

Harmonies

Analogous

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



44.8778, 42.3270, 57.5259



46.2373, 42.3270, 48.9130



45.9263, 42.3270, 40.5208

Triad

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



46.2373, 42.3270, 48.9130



38.2369, 42.3270, 32.1826



36.6401, 42.3270, 60.1414

Complementary

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



46.2373, 42.3270, 48.9130



45.6685, 54.5614, 55.1407

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.



35.0263, 42.3270, 52.1408



46.2373, 42.3270, 48.9130



35.9157, 42.3270, 36.2747

Square

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



46.2373, 42.3270, 48.9130



41.2056, 42.3270, 31.5465



34.7679, 42.3270, 43.3718



39.2710, 42.3270, 64.5234

Rectangle

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



46.2373, 42.3270, 48.9130



44.8191, 42.3270, 36.1161



34.7679, 42.3270, 43.3718



35.9664, 42.3270, 57.7422

Sweetspot

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



46.2385, 42.3289, 48.9139



88.9530, 90.0602, 99.9185



44.4710, 41.1103, 62.7187



18.9033, 19.0552, 21.1836



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.



46.2385, 42.3289, 48.9139



73.2962, 64.8782, 75.7966



45.2263, 42.9078, 40.5509



11.4020, 11.2895, 12.6514



16.7389, 8.5062, 6.3439



0.9010, 0.4538, 0.5248

Inverse Universe

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



46.2385, 42.3289, 48.9139



73.2962, 64.8782, 75.7966



46.7944, 53.7267, 65.0314



11.4020, 11.2895, 12.6514



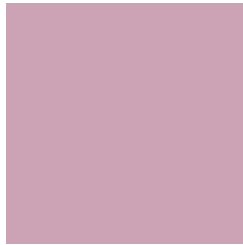
16.7389, 8.5062, 6.3439



0.9010, 0.4538, 0.5248

Previews

White Background



This preview shows how the XYZ color 46.2373, 42.3270, 48.9130 looks on a white background.

Color Contrast Check

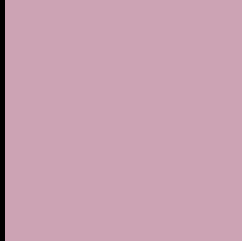
Large Text (above 18pt) WCAG AA × Fail

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 46.2373, 42.3270, 48.9130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

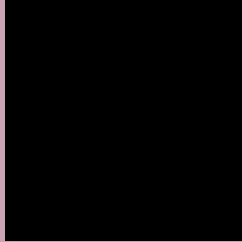
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.2373, 42.3270, 48.9130

Background



This preview shows how black text looks on a background with the XYZ color 46.2373, 42.3270, 48.9130.



This preview shows how white text looks on a background with the XYZ color 46.2373, 42.3270,

48.9130.

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

46.2373, 42.3270, 48.9130

Protanopia

41.2621, 42.4310, 52.4696

Deuteranopia

43.3109, 42.4494, 48.5587



Tritanopia

46.0138, 42.5229, 46.8568

Trichromacy



Original Color

46.2373, 42.3270, 48.9130

Protanomaly

42.8473, 42.1509, 51.2250

Deuteranomaly

44.2035, 42.3614, 48.4946

Tritanomaly

46.1131, 42.5626, 47.3800

Monochromacy



Original Color

46.2373, 42.3270, 48.9130

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

43.2819, 43.2842, 48.1930

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2373, 42.3270, 48.9130 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, 163, 180)` looks like.

```
.text, #text, p{  
    color:rgb(204, 163, 180)  
}
```

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, 163, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 163, 180) }
```

Border

The CSS property to change the border of an element to XYZ 46.2373, 42.3270, 48.9130 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, 163, 180) }
```


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

```
.border{ border-color:rgb(204, 163, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 163, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 163, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 163, 180);  
box-shadow:4px 4px 4px 4px rgb(204, 163,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2373, 42.3270, 48.9130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 163, 180) }
```

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

```
.background{ background-color: rgb(204,  
163, 180) }
```

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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