

Converting Colors

XYZ(45.8002, 42.0667, 48.6134)

Have a look what the booklet for
XYZ(45.8002, 42.0667, 48.6134)
contains.

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Color

**XYZ(45.8625, 42.1456,
48.3655)**

Conversions

Conversions Part 1

Format	Color
Hex	CBA3B3
RGB	203, 163, 179
RGB Percent	80%, 64%, 70%
CMY	0.2039, 0.3608, 0.2980
CMYK	0.00, 0.20, 0.12, 0.20
HSL	336°, 28%, 72%
HSV	336°, 20%, 80%
XYZ	45.8625, 42.1456, 48.3655
YIQ	176.7840, 18.7040, 13.4560

Conversions

Conversions Part 2

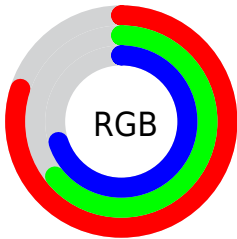
Format	Color
R _Y B	203, 163, 179
Decimal	13345715
CIE Lab	70.97, 17.30, -2.65
CIE LCh	71, 17.498, 351.290
Yxy	42.1456, 0.3363, 0.3090
Android (android.graphics.Color)	4291535795 (0xFFCBA3B3)
YUV	176.7840, 1.0925, 22.9914
Hunter-Lab	64.9196, 12.4920, 1.2724

Details

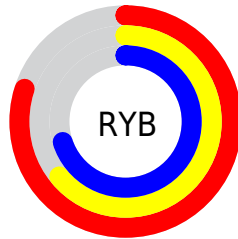
The XYZ color **45.8625, 42.1456, 48.3655** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **45.4316, 54.0874, 55.0618**, and the grayscale version is **41.6652, 43.8351, 47.7364**.

A 20% lighter version of the original color is **81.3068, 77.4010, 89.2518**, and **21.6631, 19.1711, 22.2973** is the 20% darker color. If you saturate the color by 10%, you get **41.3655, 35.0364, 41.0545**, and if you desaturate by 10%, it is **51.0494, 50.4592, 56.4444**.

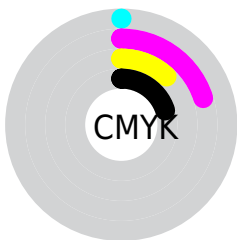
Distribution



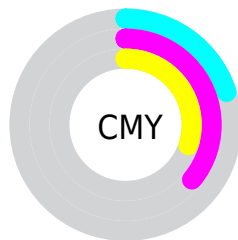
- Red (80%)
- Green (64%)
- Blue (70%)



- Red (80%)
- Yellow (64%)
- Blue (70%)



- Cyan (0%)
- Magenta (20%)
- Yellow (12%)
- Black (20%)





- Cyan (20%)
- Magenta (36%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.8625, 42.1456, 48.3655 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 45.8625, 42.1456, 48.3655 by changing the saturation by 10% instead.


 45.8625, 42.1456,
48.3655


 45.8625, 42.1456,
48.3655


360.9808,
355.0861, 396.7895

 32.3415, 29.2153,
33.7544


 83.2423, 78.4199,
89.1196

 21.7793, 19.2438,
22.4291


 107.8318,
102.5328, 116.0996

 13.8105, 11.8465,
13.9712


136.8415,
131.1419, 148.0396

 8.0698, 6.6393,
7.9621

170.6368,
164.6318, 185.3583

 4.1918, 3.2375,
3.9833

209.5830,
203.3867, 228.4740

 1.8112, 1.2570,
1.6162

254.0455,

 0.5244, 0.1075,

247.7912, 277.8055

0.3023

304.3897,
298.2295, 333.7711

■ 0.0000, 0.0000,
0.0000

■ 45.8625, 42.1456,
48.3655

■ 45.8625, 42.1456,
48.3655

■ 41.3655, 35.0364,
41.0545

■ 51.0494, 50.4592,
56.4444

■ 37.5243, 29.0697,
34.4848

■ 56.9508, 60.0240,
65.3114

■ 34.3074, 24.1867,
28.6319

■ 63.5949, 70.8913,
74.9891

■ 31.6793, 20.3209,
23.4691

■ 71.0069, 83.1078,
85.4984

■ 29.6003, 17.3985,
18.9673

■ 76.1032, 90.5024,
95.8233

■ 28.0259, 15.3355,
15.0951

■ 77.9735, 91.2505,
105.6723

■ 26.9037, 14.0328,
11.8175

■ 78.4388, 91.4366,
108.1226

■ 26.1414, 13.3121,
9.0851

■ 26.1211, 13.2936,
9.0110

Harmonies

Analogous

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



44.5965, 42.1456, 56.6870



45.8625, 42.1456, 48.3655



45.5153, 42.1456, 40.3003

Triad

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



45.8625, 42.1456, 48.3655



38.0558, 42.1456, 32.4895



36.6515, 42.1456, 59.6010

Complementary

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



45.8625, 42.1456, 48.3655



45.4316, 54.0874, 55.0618

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.



35.0556, 42.1456, 51.9728



45.8625, 42.1456, 48.3655



35.8386, 42.1456, 36.5581

Square

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



45.8625, 42.1456, 48.3655



40.9136, 42.1456, 31.7712



34.7654, 42.1456, 43.4993



39.2146, 42.1456, 63.6708

Rectangle

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



45.8625, 42.1456, 48.3655



44.4224, 42.1456, 36.0842



34.7654, 42.1456, 43.4993



35.9895, 42.1456, 57.3271

Sweetspot

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



45.8637, 42.1475, 48.3664



88.9186, 90.0464, 99.7375



44.3718, 41.0731, 62.0897



18.8952, 19.0520, 21.1408



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.



45.8637, 42.1475, 48.3664



73.1784, 64.8311, 75.1763



45.0597, 42.9802, 40.5738



11.3951, 11.2868, 12.6152



16.6655, 8.4768, 5.9571



0.8969, 0.4522, 0.5032

Inverse Universe

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



45.8637, 42.1475, 48.3664



73.1784, 64.8311, 75.1763



46.3086, 52.9463, 64.2794



11.3951, 11.2868, 12.6152



16.6655, 8.4768, 5.9571



0.8969, 0.4522, 0.5032

Previews

White Background



This preview shows how the XYZ color 45.8625, 42.1456, 48.3655 looks on a white background.

Color Contrast Check

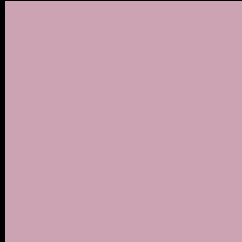
Large Text (above 18pt) WCAG AA × Fail

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 45.8625, 42.1456, 48.3655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

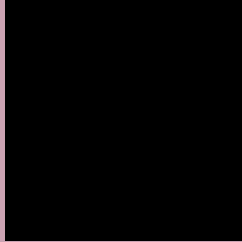
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.8625, 42.1456, 48.3655

Background



This preview shows how black text looks on a background with the XYZ color 45.8625, 42.1456, 48.3655.



This preview shows how white text looks on a background with the XYZ color 45.8625, 42.1456,

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

45.8625, 42.1456, 48.3655

Protanopia

41.1561, 42.3886, 51.9116

Deuteranopia

43.2101, 42.4091, 48.0278



Tritanopia

45.5623, 42.0255, 46.7846

Trichromacy



Original Color

45.8625, 42.1456, 48.3655

Protanomaly

42.7428, 42.1091, 50.6748

Deuteranomaly

44.1027, 42.3211, 47.9638

Tritanomaly

45.6616, 42.0652, 47.3077

Monochromacy



Original Color

45.8625, 42.1456, 48.3655

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

43.0381, 43.1585, 48.1816

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8625, 42.1456, 48.3655 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(203, 163, 179)` looks like.

```
.text, #text, p{  
    color:rgb(203, 163, 179)  
}
```

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(203, 163, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 163, 179) }
```

Border

The CSS property to change the border of an element to XYZ 45.8625, 42.1456, 48.3655 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(203, 163, 179) }
```


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

```
.border{ border-color:rgb(203, 163, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 163, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 163, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 163, 179);  
box-shadow:4px 4px 4px 4px rgb(203, 163,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8625, 42.1456, 48.3655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 163, 179) }
```

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

```
.background{ background-color: rgb(203,  
163, 179) }
```

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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