

Converting Colors

XYZ(40.4293, 36.8194, 33.4106)

Have a look what the booklet for
XYZ(40.4293, 36.8194, 33.4106)
contains.

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Color

**XYZ(40.4725, 36.9058,
33.4242)**

Conversions

Conversions Part 1

Format	Color
Hex	C89895
RGB	200, 152, 149
RGB Percent	78%, 60%, 58%
CMY	0.2157, 0.4039, 0.4157
CMYK	0.00, 0.24, 0.25, 0.22
HSL	4°, 32%, 68%
HSV	4°, 25%, 78%
XYZ	40.4725, 36.9058, 33.4242
YIQ	166.0100, 29.5710, 9.2430

Conversions

Conversions Part 2

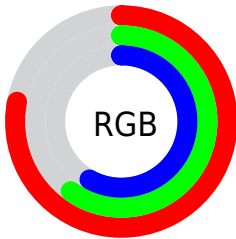
Format	Color
R _Y B	200, 152, 149
Decimal	13146261
CIE Lab	67.21, 17.52, 8.54
CIE LCh	67, 19.488, 26.000
Yxy	36.9058, 0.3653, 0.3331
Android (android.graphics.Color)	4291336341 (0xFFC89895)
YUV	166.0100, -8.3859, 29.8092
Hunter-Lab	60.7501, 12.6062, 9.9043

Details

The XYZ color **40.4725, 36.9058, 33.4242** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **42.7855, 50.4907, 62.1345**, and the grayscale version is **36.2805, 38.1699, 41.5670**.

A 20% lighter version of the original color is **74.0908, 69.7144, 66.0511**, and **18.5353, 16.2089, 13.7070** is the 20% darker color. If you saturate the color by 10%, you get **36.1947, 30.6897, 24.7853**, and if you desaturate by 10%, it is **45.5113, 44.2046, 43.6704**.

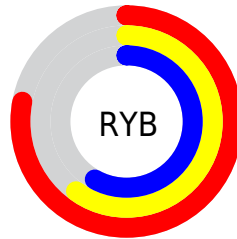
Distribution



Red (78%)

Green (60%)

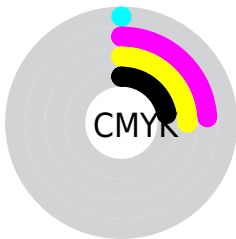
Blue (58%)



Red (78%)

Yellow (60%)

Blue (58%)

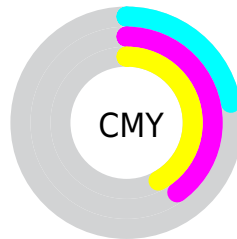


Cyan (0%)

Magenta (24%)

Yellow (25%)

Black (22%)



Cyan (22%)


Magenta (40%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.4725, 36.9058, 33.4242 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 40.4725, 36.9058, 33.4242 by changing the saturation by 10% instead.


 40.4725, 36.9058,
33.4242


 40.4725, 36.9058,
33.4242

339.2115,
332.9025, 332.2473

 28.0930, 25.1346,
22.1778


 75.1623, 70.4279,
66.1609

 18.5366, 16.1773,
13.7881


 98.2032, 92.9475,
88.4883

 11.4379, 9.6497,
7.8363


125.5287,
119.8187, 115.3464

 6.4317, 5.1673,
3.9041

157.5041,
151.4259, 147.1538

 3.1524, 2.3458,
1.5729

194.4947,
188.1535, 184.3291

 1.2349, 0.7978,
0.2714

236.8659,

 0.1336, 0.0000,

230.3859, 227.2907

0.0000

284.9830,
278.5074, 276.4573

■ 0.0000, 0.0000,
0.0000

■ 40.4725, 36.9058,
33.4242

■ 40.4725, 36.9058,
33.4242

■ 36.1947, 30.6897,
24.7853

■ 45.5113, 44.2046,
43.6704

■ 32.6380, 25.4998,
17.6701

■ 51.3425, 52.6287,
55.5972

■ 29.7637, 21.2826,
11.9907

■ 57.9992, 62.2248,
69.2762

■ 27.5279, 17.9773,
7.6495

■ 65.5119, 73.0353,
84.7741

■ 25.8817, 15.5167,
4.5368

■ 73.9094, 85.1007,
102.1543

■ 24.7692, 13.8240,
2.5253

■ 77.6295, 91.0194,
108.0847

■ 24.1234, 12.8084,
1.4593

■ 23.9483, 12.5371,
1.1577

Harmonies

Analogous

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



41.0970, 36.9058, 41.3375



40.4725, 36.9058, 33.4242



38.3736, 36.9058, 28.0790

Triad

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



40.4725, 36.9058, 33.4242



30.5476, 36.9058, 31.7044



34.6804, 36.9058, 58.8348

Complementary

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



40.4725, 36.9058, 33.4242



42.7855, 50.4907, 62.1345

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.



31.9764, 36.9058, 55.3474



40.4725, 36.9058, 33.4242



29.6772, 36.9058, 39.0525

Square

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



40.4725, 36.9058, 33.4242



32.6304, 36.9058, 27.1889



30.1852, 36.9058, 47.7991



37.6447, 36.9058, 56.7738

Rectangle

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



40.4725, 36.9058, 33.4242



36.4795, 36.9058, 26.2964



30.1852, 36.9058, 47.7991



33.7126, 36.9058, 58.2608

Sweetspot

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



40.4735, 36.9075, 33.4250



86.1160, 87.1118, 90.5701



44.6969, 37.8266, 58.0398



18.0952, 18.1586, 18.6956



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.



40.4735, 36.9075, 33.4250



65.5154, 57.2804, 48.6515



44.9766, 45.9137, 34.9260



10.6832, 10.7355, 11.0719



15.2496, 8.0163, 0.7436



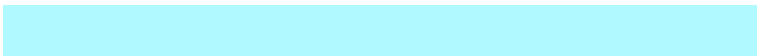
0.7400, 0.4153, 0.0412

Inverse Universe

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



42.7855, 50.4907, 62.1345



70.2357, 85.0294, 107.3182



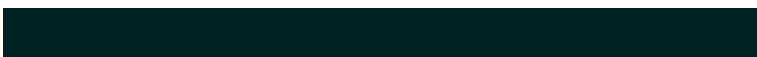
37.5632, 40.0462, 60.3937



10.8912, 11.9564, 13.6513



18.1164, 25.6267, 38.7360



0.8745, 1.2467, 1.8397

Previews

White Background



This preview shows how the XYZ color 40.4725, 36.9058, 33.4242 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 40.4725, 36.9058, 33.4242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

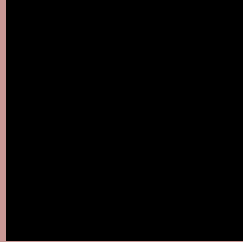
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.4725, 36.9058, 33.4242

Background



This preview shows how black text looks on a background with the XYZ color 40.4725, 36.9058, 33.4242.



This preview shows how white text looks on a background with the XYZ color 40.4725, 36.9058,

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

40.4725, 36.9058, 33.4242

Protanopia

35.3758, 36.9960, 36.2868

Deuteranopia

37.8219, 37.0309, 33.1712



Tritanopia

41.5153, 36.8388, 39.1049

Trichromacy



Original Color

40.4725, 36.9058, 33.4242

Protanomaly

36.9703, 36.7995, 35.2915

Deuteranomaly

38.7196, 36.9914, 33.1163

Tritanomaly

41.2398, 36.9850, 36.8635

Monochromacy



Original Color

40.4725, 36.9058, 33.4242

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

37.4501, 37.4928, 38.5207

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4725, 36.9058, 33.4242 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(200, 152, 149)` looks like.

```
.text, #text, p{  
    color:rgb(200, 152, 149)  
}
```

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(200, 152, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 152, 149) }
```

Border

The CSS property to change the border of an element to XYZ 40.4725, 36.9058, 33.4242 is called "border". The border property can be set on classes, ids or directly on the HTML element.

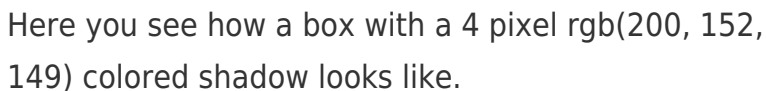
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(200, 152, 149) }
```


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

```
.border{ border-color:rgb(200, 152, 149) }
```

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



Here you see how a box with a 4 pixel `rgb(200, 152, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(200, 152, 149); -webkit-box-shadow:4px 4px 4px 4px rgb(200, 152, 149); box-shadow:4px 4px 4px 4px rgb(200, 152, 149) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4725, 36.9058, 33.4242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 152, 149) }
```

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

```
.background{ background-color: rgb(200,  
152, 149) }
```

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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