

# Converting Colors

XYZ(42.2636, 36.9845, 33.3992)

Have a look what the booklet for  
XYZ(42.2636, 36.9845, 33.3992)  
contains.

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# Color

**XYZ(42.3092, 36.9050,  
33.3272)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D19495
RGB	209, 148, 149
RGB Percent	82%, 58%, 58%
CMY	0.1804, 0.4196, 0.4157
CMYK	0.00, 0.29, 0.29, 0.18
HSL	359°, 40%, 70%
HSV	359°, 29%, 82%
XYZ	42.3092, 36.9050, 33.3272
YIQ	166.3530, 36.0350, 13.2430

# Conversions

## Conversions Part 2

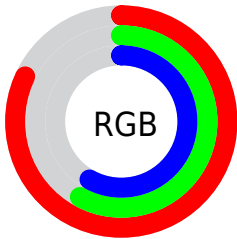
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	209, 148, 149
Decimal	13735061
CIE Lab	67.21, 23.13, 8.67
CIE LCh	67, 24.698, 20.558
Yxy	36.9050, 0.3759, 0.3279
Android (android.graphics.Color)	4291925141 (0xFFD19495)
YUV	166.3530, -8.5550, 37.4014
Hunter-Lab	60.7495, 18.0054, 9.9981

# Details

The XYZ color **42.3092, 36.9050, 33.3272** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **46.3999, 56.4517, 68.1281**, and the grayscale version is **36.4450, 38.3430, 41.7556**.

A 20% lighter version of the original color is **73.1400, 67.8129, 65.7342**, and **19.6162, 16.2035, 13.6490** is the 20% darker color. If you saturate the color by 10%, you get **37.8230, 30.3315, 24.4361**, and if you desaturate by 10%, it is **47.6790, 44.7817, 43.9430**.

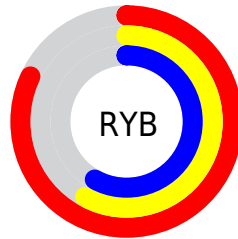
# Distribution



Red (82%)

Green (58%)

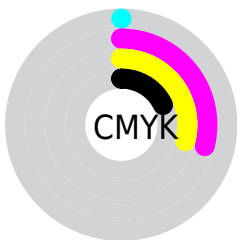
Blue (58%)



Red (82%)

Yellow (58%)

Blue (58%)

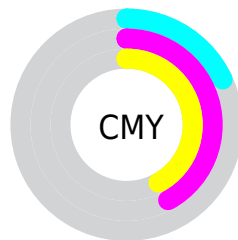


Cyan (0%)

Magenta (29%)

Yellow (29%)

Black (18%)



Cyan (18%)

Magenta (42%)


Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.3092, 36.9050, 33.3272 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 42.3092, 36.9050, 33.3272 by changing the saturation by 10% instead.





 42.3092, 36.9050,  
33.3272


 42.3092, 36.9050,  
33.3272


346.7330,  
332.8990, 331.7987

 29.5356, 25.1339,  
22.1041


 77.9296, 70.4267,  
66.0079

 19.6327, 16.1769,  
13.7343


 101.5072, 92.9460,  
88.3026

 12.2351, 9.6494,  
7.7995


129.4168,  
119.8170, 115.1248

 6.9773, 5.1671,  
3.8810

162.0238,  
151.4239, 146.8932

 3.4941, 2.3457,  
1.5603

199.6935,  
188.1512, 184.0262

 1.4201, 0.7977,  
0.2622

242.7914,

 0.2705, 0.0000,

230.3832, 226.9424

0.0000

291.6828,  
278.5043, 276.0604

■ 0.0000, 0.0000,  
0.0000

■ 42.3092, 36.9050,  
33.3272

■ 42.3092, 36.9050,  
33.3272

■ 37.8230, 30.3315,  
24.4361

■ 47.6790, 44.7817,  
43.9430

■ 34.1704, 24.9860,  
17.1767

■ 53.9731, 54.0208,  
56.3656

■ 31.3007, 20.7939,  
11.4504

■ 61.2331, 64.6845,  
70.6742

■ 29.1570, 17.6704,  
7.1474

■ 69.4974, 76.8295,  
86.9430

■ 27.6742, 15.5190,  
4.1431

■ 78.8021, 90.5092,  
105.2419

■ 26.7757, 14.2256,  
2.2914

■ 80.1046, 92.2954,  
108.2006

■ 26.3410, 13.6035,  
1.3836

■ 26.3133, 13.5628,  
1.3290

# Harmonies

## Analogous

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



42.7222, 36.9050, 43.6851



42.3092, 36.9050, 33.3272



39.8853, 36.9050, 26.1922

# Triad

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



42.3092, 36.9050, 33.3272



29.7731, 36.9050, 28.3878



33.9016, 36.9050, 64.3297

# Complementary

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



42.3092, 36.9050, 33.3272



46.3999, 56.4517, 68.1281

# 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.



30.6718, 36.9050, 58.4362



42.3092, 36.9050, 33.3272



28.4032, 36.9050, 36.8738

# Square

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



42.3092, 36.9050, 33.3272



32.5935, 36.9050, 23.7151



28.7200, 36.9050, 47.9205



37.6838, 36.9050, 62.9163



# Rectangle

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



42.3092, 36.9050, 33.3272



37.5449, 36.9050, 23.6180



28.7200, 36.9050, 47.9205



32.7199, 36.9050, 63.1028

# Sweetspot

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



42.3102, 36.9067, 33.3279



84.7366, 84.8517, 88.5725



48.1072, 39.1924, 65.3512



17.8058, 17.6752, 18.3046



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.



42.3102, 36.9067, 33.3279



61.8250, 51.2393, 43.2914



47.4586, 47.3303, 34.6534



11.8165, 11.8113, 12.3093



16.2275, 8.3638, 0.8380



0.9101, 0.4688, 0.0616



# Inverse Universe

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



42.3102, 36.9067, 33.3279



61.8250, 51.2393, 43.2914



39.9467, 43.3486, 66.5835



11.8165, 11.8113, 12.3093



16.2275, 8.3638, 0.8380

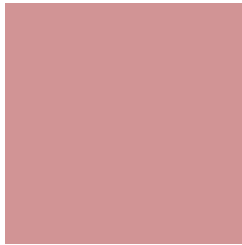


0.9101, 0.4688, 0.0616



# Previews

## White Background



This preview shows how the XYZ color 42.3092, 36.9050, 33.3272 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 42.3092, 36.9050, 33.3272 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 42.3092, 36.9050, 33.3272**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.3092, 36.9050, 33.3272.



This preview shows how white text looks on a background with the XYZ color 42.3092, 36.9050,



# 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

42.3092, 36.9050, 33.3272

### Protanopia

35.3314, 36.9535, 37.1689

### Deuteranopia

37.7430, 36.9994, 32.7561



## Tritanopia

43.1836, 37.0377, 37.2207

# Trichromacy



## Original Color

42.3092, 36.9050, 33.3272

## Protanomaly

37.5880, 36.8541, 35.7043

## Deuteranomaly

39.1490, 36.7187, 33.0410

## Tritanomaly

42.9285, 36.9356, 35.8771

# Monochromacy



## Original Color

42.3092, 36.9050, 33.3272

## Achromatopsia

36.2450, 38.1326, 41.5264

## Achromatomaly

38.0347, 37.2794, 38.4487

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.3092, 36.9050, 33.3272 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(209, 148, 149)` looks like.

```
.text, #text, p{  
    color:rgb(209, 148, 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(209, 148, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 148, 149) }
```

## Border

The CSS property to change the border of an element to XYZ 42.3092, 36.9050, 33.3272 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(209, 148, 149) }
```



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

```
.border{ border-color:rgb(209, 148, 149) }
```

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

Here you see how a box with a 4 pixel rgb(209, 148, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 148, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 148, 149);  
box-shadow:4px 4px 4px 4px rgb(209, 148,  
149) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.3092, 36.9050, 33.3272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 148, 149) }
```

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

```
.background{ background-color: rgb(209,  
148, 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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