

# Converting Colors

XYZ(42.0293, 42.0241, 36.4016)

Have a look what the booklet for  
XYZ(42.0293, 42.0241, 36.4016)  
contains.

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# **Color**

**XYZ(42.0130, 42.0465,  
36.4733)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C1A99A
RGB	193, 169, 154
RGB Percent	76%, 66%, 60%
CMY	0.2431, 0.3372, 0.3961
CMYK	0.00, 0.12, 0.20, 0.24
HSL	23°, 24%, 68%
HSV	23°, 20%, 76%
XYZ	42.0130, 42.0465, 36.4733
YIQ	174.4660, 19.1190, 0.4230

# Conversions

## Conversions Part 2

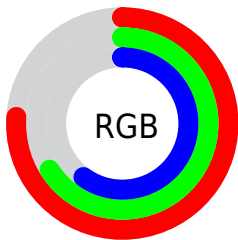
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	193, 178, 154
Decimal	12691866
CIE Lab	70.90, 6.30, 10.93
CIE LCh	71, 12.616, 60.065
Yxy	42.0465, 0.3486, 0.3488
Android (android.graphics.Color)	4290881946 (0xFFC1A99A)
YUV	174.4660, -10.0897, 16.2543
Hunter-Lab	64.8433, 2.1773, 12.0406

# Details

The XYZ color **42.0130, 42.0465, 36.4733** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **38.8721, 42.5599, 56.6184**, and the grayscale version is **40.5162, 42.6262, 46.4200**.

A 20% lighter version of the original color is **77.4652, 78.1894, 70.6837**, and **19.4569, 19.1908, 15.5107** is the 20% darker color. If you saturate the color by 10%, you get **38.4235, 37.2363, 27.9737**, and if you desaturate by 10%, it is **46.0639, 47.3652, 46.4028**.

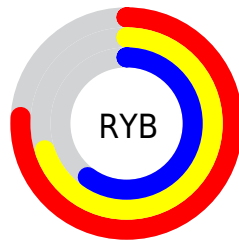
# Distribution



Red (76%)

Green (66%)

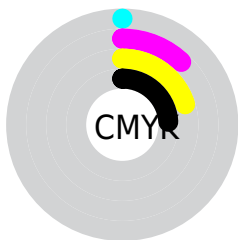
Blue (60%)



Red (76%)

Yellow (70%)

Blue (60%)

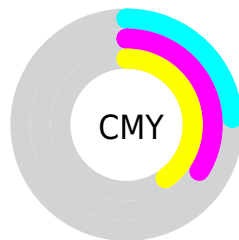


Cyan (0%)

Magenta (12%)

Yellow (20%)

Black (24%)



Cyan (24%)

Magenta (34%)

Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0130, 42.0465, 36.4733 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 42.0130, 42.0465, 36.4733 by changing the saturation by 10% instead.





 42.0130, 42.0465,  
36.4733

 42.0130, 42.0465,  
36.4733


345.5275,  
354.6757, 346.1243

 29.3026, 29.1377,  
24.5074


 77.4843, 78.2700,  
70.9392

 19.4553, 19.1850,  
15.4947

 100.9760,  
102.3535, 94.2763

 12.1057, 11.8040,  
9.0169

128.7922,  
130.9307, 122.2408

 6.8884, 6.6104,  
4.6552

161.2982,  
164.3859, 155.2514

 3.4381, 3.2197,  
1.9913

198.8593,  
203.1037, 193.7264

 1.3895, 1.2475,  
0.5499

241.8410,

 0.2487, 0.1000,

247.4683, 238.0846

0.0000

290.6087,  
297.8641, 288.7444

0.0000, 0.0000,  
0.0000

42.0130, 42.0465,  
36.4733

42.0130, 42.0465,  
36.4733

38.4235, 37.2363,  
27.9737

46.0639, 47.3652,  
46.4028

35.2745, 32.9134,  
20.8347

50.5894, 53.2016,  
57.8218

32.5480, 29.0632,  
14.9851

55.6065, 59.5717,  
70.7899

30.2239, 25.6683,  
10.3459

61.1301, 66.4892,  
85.3624

28.2796, 22.7101,  
6.8298

67.1745, 73.9671,  
101.5919

■ 26.6903, 20.1683,  
4.3369

■ 71.2776, 81.0278,  
106.4909

■ 25.4273, 18.0206,  
2.7498

■ 74.8936, 88.2598,  
107.6963

■ 24.4579, 16.2686,  
1.8511

■ 75.8024, 90.0775,  
107.9992

# Harmonies

## Analogous

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



43.5615, 42.0465, 40.2288



42.0130, 42.0465, 36.4733



39.9593, 42.0465, 35.1635

# Triad

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



42.0130, 42.0465, 36.4733



36.0604, 42.0465, 45.7946



42.0212, 42.0465, 56.5371

# Complementary

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



42.0130, 42.0465, 36.4733



38.8721, 42.5599, 56.6184

# 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.



39.9685, 42.0465, 58.3470



42.0130, 42.0465, 36.4733



36.5701, 42.0465, 51.8229

# Square

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



42.0130, 42.0465, 36.4733



36.5658, 42.0465, 40.2497



37.9826, 42.0465, 56.5522



43.5663, 42.0465, 51.7982



# Rectangle

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



42.0130, 42.0465, 36.4733



38.5945, 42.0465, 35.7554



37.9826, 42.0465, 56.5522



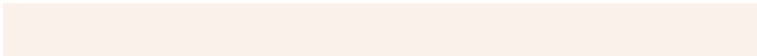
41.3654, 42.0465, 57.5258

# Sweetspot

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



42.0141, 42.0484, 36.4742



85.7293, 89.0163, 91.1895



41.5892, 37.6655, 47.2244



18.2791, 18.9513, 19.2797



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

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



42.0141, 42.0484, 36.4742



72.4682, 71.6073, 58.6738



45.9049, 49.8299, 37.7711



10.3838, 10.6990, 10.5797



16.3395, 10.9648, 1.2552



0.7728, 0.6074, 0.0765

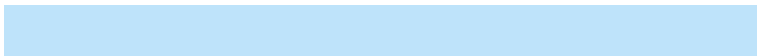


# Inverse Universe

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



38.8721, 42.5599, 56.6184



65.8774, 72.6764, 100.9161



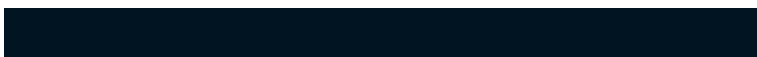
35.2734, 35.3626, 55.4188



10.0326, 10.7565, 12.8323



10.8494, 11.4553, 35.1959



0.5338, 0.6251, 1.5424



# Previews

## White Background



This preview shows how the XYZ color 42.0130, 42.0465, 36.4733 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 42.0130, 42.0465, 36.4733 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

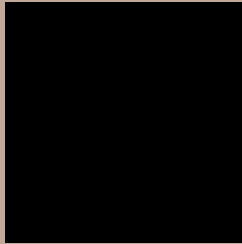
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

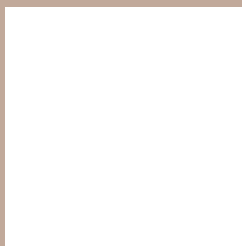
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 42.0130, 42.0465, 36.4733**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.0130, 42.0465, 36.4733.



This preview shows how white text looks on a background with the XYZ color 42.0130, 42.0465,



# 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

42.0130, 42.0465, 36.4733

### Protanopia

40.0004, 42.1112, 37.4725

### Deuteranopia

42.6774, 41.8408, 36.3986



## Tritanopia

44.2560, 41.8604, 47.8668

# Trichromacy



## Original Color

42.0130, 42.0465, 36.4733

## Protanomaly

40.6765, 42.1859, 37.0092

## Deuteranomaly

42.6003, 42.0741, 36.4477

## Tritanomaly

43.3033, 41.7391, 43.3102

# Monochromacy



## Original Color

42.0130, 42.0465, 36.4733

## Achromatopsia

40.2316, 42.3268, 46.0938

## Achromatomaly

40.7836, 42.1188, 42.5394

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.0130, 42.0465, 36.4733 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(193, 169, 154)` looks like.

```
.text, #text, p{  
    color:rgb(193, 169, 154)  
}
```

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(193, 169, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 169, 154) }
```

## Border

The CSS property to change the border of an element to XYZ 42.0130, 42.0465, 36.4733 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(193, 169, 154) }
```



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

```
.border{ border-color:rgb(193, 169, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 169, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 169, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 169, 154);  
box-shadow:4px 4px 4px 4px rgb(193, 169,  
154) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.0130, 42.0465, 36.4733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 169, 154) }
```

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

```
.background{ background-color: rgb(193,  
169, 154) }
```

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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