

# Converting Colors

XYZ(36.5373, 40.0428, 11.9380)

Have a look what the booklet for  
XYZ(36.5373, 40.0428, 11.9380)  
contains.

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# Color

**XYZ(36.5307, 40.0361,  
11.9333)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDAA48
RGB	189, 170, 72
RGB Percent	74%, 67%, 28%
CMY	0.2588, 0.3333, 0.7176
CMYK	0.00, 0.10, 0.62, 0.26
HSL	50°, 47%, 51%
HSV	50°, 62%, 74%
XYZ	36.5307, 40.0361, 11.9333
YIQ	164.5090, 42.7820, -26.4500

# Conversions

## Conversions Part 2

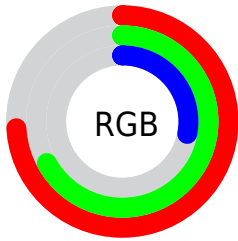
Format	Color
<a href="#">RYB</a>	95, 189, 72
Decimal	12429896
CIELab	69.50, -4.98, 51.69
CIELCh	69, 51.934, 95.504
Yxy	40.0361, 0.4128, 0.4524
Android (android.graphics.Color)	4290619976 (0xFFBDAA48)
YUV	164.5090, -45.6069, 21.4786
Hunter-Lab	63.2741, -7.6744, 33.1099

# Details

The XYZ color **36.5307, 40.0361, 11.9333** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **15.5989, 12.5338, 49.7410**, and the grayscale version is **35.7269, 37.5875, 40.9327**.

A 20% lighter version of the original color is **69.2747, 75.2621, 29.9447**, and **16.2448, 17.9808, 3.1047** is the 20% darker color. If you saturate the color by 10%, you get **35.4382, 38.6909, 8.9809**, and if you desaturate by 10%, it is **37.8280, 41.4877, 15.8898**.

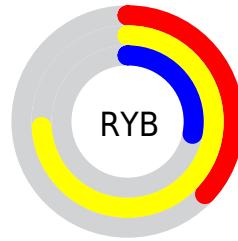
# Distribution



Red (74%)

Green (67%)

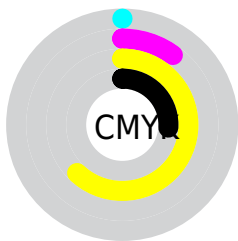
Blue (28%)



Red (37%)

Yellow (74%)

Blue (28%)

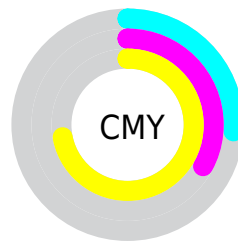


Cyan (0%)

Magenta (10%)

Yellow (62%)

Black (26%)



Cyan (26%)

Magenta (33%)


Yellow (72%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.5307, 40.0361, 11.9333 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 36.5307, 40.0361, 11.9333 by changing the saturation by 10% instead.





 36.5307, 40.0361,  
11.9333


 36.5307, 40.0361,  
11.9333


322.6652,  
346.2757, 214.9254


 25.0163, 27.5667,  
6.5763


 69.1689, 75.2185,  
30.0361

 16.2180, 17.9993,  
3.1242


 91.0235, 98.7002,  
43.6191


 9.7704, 10.9495,  
1.1584


 117.0556,  
126.6216, 60.7810

 5.3081, 6.0329,  
0.0000

 147.6304,  
159.3669, 81.9406

 2.4657, 2.8651,  
0.0000

 183.1135,  
197.3206, 107.5162

 0.8780, 1.0617,  
0.0000

223.8700,

 0.0000, 0.0000,

240.8670, 137.9266

0.0000

270.2655,  
290.3906, 173.5901

■ 36.5307, 40.0361,  
11.9333

■ 36.5307, 40.0361,  
11.9333

■ 35.4382, 38.6909,  
8.9809

■ 37.8280, 41.4877,  
15.8898

■ 34.5297, 37.4391,  
6.9354

■ 39.3431, 43.0466,  
20.9309

■ 33.7844, 36.2739,  
5.6843

■ 41.0912, 44.7204,  
27.1317

■ 33.2668, 35.3801,  
5.0757

■ 43.0852, 46.5146,  
34.5599

■ 45.3371, 48.4339,  
43.2779

■ 47.8579, 50.4829,  
53.3441

■ 50.6582, 52.6661,  
64.8130

■ 53.7479, 54.9875,  
77.7364

■ 57.1363, 57.4510,  
92.1632

# Harmonies

## Analogous

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



45.1210, 40.0361, 13.6702



36.5307, 40.0361, 11.9333



29.4535, 40.0361, 15.8133

# Triad

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



36.5307, 40.0361, 11.9333



26.4013, 40.0361, 76.2000



54.6510, 40.0361, 65.6231

# Complementary

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



36.5307, 40.0361, 11.9333



15.5989, 12.5338, 49.7410

# 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.



48.1821, 40.0361, 92.8876



36.5307, 40.0361, 11.9333



31.7647, 40.0361, 100.3997

# Square

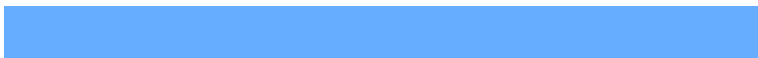
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



36.5307, 40.0361, 11.9333



24.1805, 40.0361, 48.1631



39.6172, 40.0361, 107.4194



56.4185, 40.0361, 39.3206



# Rectangle

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



36.5307, 40.0361, 11.9333



26.2742, 40.0361, 22.3584



39.6172, 40.0361, 107.4194



52.9121, 40.0361, 75.2401

# Sweetspot

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



36.5316, 40.0380, 11.9341



78.1690, 84.1795, 65.7287



25.2138, 16.2179, 11.8130



16.5727, 17.8962, 13.2289



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438



# Same Dimension

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



36.5316, 40.0380, 11.9341



62.9016, 68.5421, 14.7128



31.9452, 43.3471, 12.8146



10.1868, 10.8496, 10.1339



22.4302, 23.8992, 3.4308



0.9144, 1.0077, 0.1463



# Inverse Universe

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



15.5989, 12.5338, 49.7410



22.4619, 15.4976, 88.0337



18.0586, 11.6889, 49.4483



9.1383, 9.4689, 12.0183



6.5423, 3.1962, 32.6650



0.2960, 0.2047, 1.2928



# Previews

## White Background



This preview shows how the XYZ color 36.5307, 40.0361, 11.9333 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 36.5307, 40.0361, 11.9333 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 36.5307, 40.0361, 11.9333**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.5307, 40.0361, 11.9333.



This preview shows how white text looks on a background with the XYZ color 36.5307, 40.0361,



# 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

36.5307, 40.0361, 11.9333

### Protanopia

36.5307, 40.0361, 11.9333

### Deuteranopia

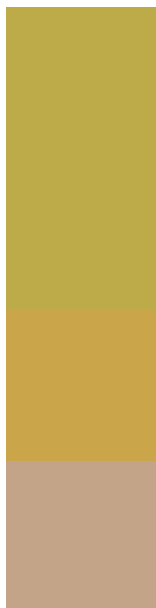
40.7347, 40.0367, 12.0595



## Tritanopia

43.3059, 40.1259, 44.4923

# Trichromacy



## Original Color

36.5307, 40.0361, 11.9333

## Protanomaly

36.5307, 40.0361, 11.9333

## Deuteranomaly

39.0149, 39.9479, 11.9577

## Tritanomaly

40.2251, 39.9306, 28.8798

# Monochromacy



## Original Color

36.5307, 40.0361, 11.9333

## Achromatopsia

35.7637, 37.6262, 40.9749

## Achromatomaly

35.3710, 38.2748, 26.9963

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.5307, 40.0361, 11.9333 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(189, 170, 72)` looks like.

```
.text, #text, p{  
    color:rgb(189, 170, 72)  
}
```

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(189, 170, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 170, 72) }
```

## Border

The CSS property to change the border of an element to XYZ 36.5307, 40.0361, 11.9333 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(189, 170, 72) }
```



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

```
.border{ border-color:rgb(189, 170, 72) }
```

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

Here you see how a box with a 4 pixel rgb(189, 170, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 170, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 170, 72);  
box-shadow:4px 4px 4px 4px rgb(189, 170,  
72) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.5307, 40.0361, 11.9333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 170, 72) }
```

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

```
.background{ background-color: rgb(189,  
170, 72) }
```

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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