

# Converting Colors

XYZ(37.5474, 42.3507, 16.4115)

Have a look what the booklet for  
XYZ(37.5474, 42.3507, 16.4115)  
contains.

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# Color

**XYZ(37.6615, 42.5313,  
16.3496)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B9B15C
RGB	185, 177, 92
RGB Percent	73%, 69%, 36%
CMY	0.2745, 0.3059, 0.6392
CMYK	0.00, 0.04, 0.50, 0.27
HSL	55°, 40%, 54%
HSV	55°, 50%, 73%
XYZ	37.6615, 42.5313, 16.3496
YIQ	169.7020, 32.0530, -24.7390

# Conversions

## Conversions Part 2

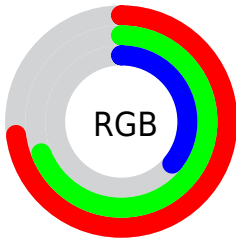
<b>Format</b>	<b>Color</b>
<b>RYB</b>	101, 185, 92
Decimal	12169564
CIELab	71.24, -8.77, 44.10
CIELCh	71, 44.967, 101.247
Yxy	42.5313, 0.3901, 0.4405
Android (android.graphics.Color)	4290359644 (0xFFB9B15C)
YUV	169.7020, -38.3071, 13.4163
Hunter-Lab	65.2160, -11.0464, 30.7873

# Details

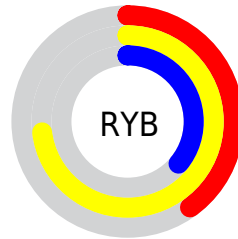
The XYZ color **37.6615, 42.5313, 16.3496** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **17.7277, 14.8920, 47.8389**, and the grayscale version is **38.2345, 40.2256, 43.8057**.

A 20% lighter version of the original color is **70.8528, 78.7815, 37.8576**, and **16.9575, 19.5802, 5.0761** is the 20% darker color. If you saturate the color by 10%, you get **36.6376, 41.6236, 12.4942**, and if you desaturate by 10%, it is **38.8886, 43.5293, 21.2480**.

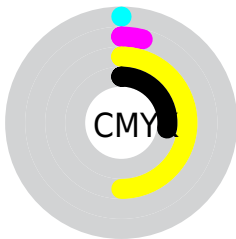
# Distribution



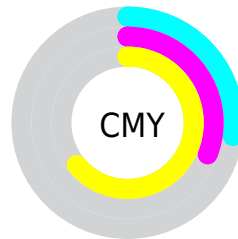
- Red (73%)
- Green (69%)
- Blue (36%)



- Red (40%)
- Yellow (73%)
- Blue (36%)



- Cyan (0%)
- Magenta (4%)
- Yellow (50%)
- Black (27%)



- Cyan (27%)
- Magenta (31%)
- Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6615, 42.5313, 16.3496 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 37.6615, 42.5313, 16.3496 by changing the saturation by 10% instead.



■ 37.6615, 42.5313,  
16.3496

■ 37.6615, 42.5313,  
16.3496

327.4717,  
356.6807, 243.3116

■ 25.8961, 29.5175,  
9.6148

■ 70.8963, 79.0031,  
37.9793

■ 16.8782, 19.4727,  
5.0421

■ 93.0963, 103.2299,  
53.7113

■ 10.2425, 12.0123,  
2.2128

■ 119.5053,  
131.9632, 73.2794

■ 5.6235, 6.7521,  
0.6817

■ 150.4886,  
165.5874, 97.1023

■ 2.6560, 3.3075,  
0.0000

186.4115,  
204.4868, 125.5984

■ 0.9746, 1.2943,  
0.0000

227.6394,

■ 0.0000, 0.1368,

249.0459, 159.1863

0.0000

274.5377,  
299.6491, 198.2845

■ 0.0000, 0.0000,  
0.0000

■ 37.6615, 42.5313,  
16.3496

■ 37.6615, 42.5313,  
16.3496

■ 36.6376, 41.6236,  
12.4942

■ 38.8886, 43.5293,  
21.2480

■ 35.7993, 40.7944,  
9.6020

■ 40.3289, 44.6169,  
27.2560

■ 35.1308, 40.0389,  
7.5863

■ 41.9956, 45.8009,  
34.4379

■ 34.6124, 39.3492,  
6.3433

■ 43.8999, 47.0859,  
42.8522

■ 34.2133, 38.7259,  
5.6716

■ 46.0520, 48.4760,  
52.5535

■ 48.4617, 49.9750,  
63.5932

■ 51.1383, 51.5868,  
76.0199

■ 54.0906, 53.3149,  
89.8797

■ 56.7579, 54.9349,  
102.2198

# Harmonies

## Analogous

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



45.2687, 42.5313, 17.0627



37.6615, 42.5313, 16.3496



31.5969, 42.5313, 21.5741

# Triad

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



37.6615, 42.5313, 16.3496



30.4715, 42.5313, 79.4465



55.7716, 42.5313, 60.9869

# Complementary

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



37.6615, 42.5313, 16.3496



17.7277, 14.8920, 47.8389

# 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.



50.7604, 42.5313, 85.0845



37.6615, 42.5313, 16.3496



35.9392, 42.5313, 97.8248

# Square

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



37.6615, 42.5313, 16.3496



27.8035, 42.5313, 54.8921



43.3199, 42.5313, 100.1599



56.3827, 42.5313, 38.6714



# Rectangle

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



37.6615, 42.5313, 16.3496



28.9964, 42.5313, 29.0652



43.3199, 42.5313, 100.1599



54.5191, 42.5313, 69.3002

# Sweetspot

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



37.6625, 42.5333, 16.3505



76.8730, 83.1624, 68.9668



26.1987, 18.9145, 14.6597



16.4205, 17.8252, 14.1991



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988



# Same Dimension

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



37.6625, 42.5333, 16.3505



65.5004, 74.4374, 21.9530



31.4575, 41.7479, 16.5259



9.6824, 10.3677, 9.5978



23.3229, 26.4221, 3.8707



0.8417, 0.9705, 0.1430



# Inverse Universe

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



17.7277, 14.8920, 47.8389



25.8832, 19.5304, 84.6102



21.6682, 15.8404, 47.8143



8.5815, 8.8403, 11.3335



6.1114, 2.6825, 31.4487



0.2364, 0.1364, 1.1156



# Previews

## White Background



This preview shows how the XYZ color 37.6615, 42.5313, 16.3496 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 37.6615, 42.5313, 16.3496 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

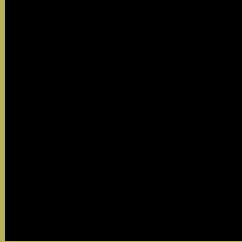
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 37.6615, 42.5313, 16.3496**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.6615, 42.5313, 16.3496.



This preview shows how white text looks on a background with the XYZ color 37.6615, 42.5313,



# 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

37.6615, 42.5313, 16.3496

### Protanopia

38.9565, 42.6217, 16.0711

### Deuteranopia

43.1423, 42.2448, 16.7067



## Tritanopia

44.3051, 42.4021, 49.0293

# Trichromacy



## Original Color

37.6615, 42.5313, 16.3496

## Protanomaly

38.3999, 42.6248, 16.1010

## Deuteranomaly

41.0237, 42.2541, 16.5834

## Tritanomaly

41.3941, 42.3403, 34.0078

# Monochromacy



## Original Color

37.6615, 42.5313, 16.3496

## Achromatopsia

38.2080, 40.1978, 43.7754

## Achromatomaly

37.5053, 40.9541, 31.5194

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.6615, 42.5313, 16.3496 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(185, 177, 92)` looks like.

```
.text, #text, p{  
    color:rgb(185, 177, 92)  
}
```

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(185, 177, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 177, 92) }
```

## Border

The CSS property to change the border of an element to XYZ 37.6615, 42.5313, 16.3496 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(185, 177, 92) }
```



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

```
.border{ border-color:rgb(185, 177, 92) }
```

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

Here you see how a box with a 4 pixel rgb(185, 177, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 177, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 177, 92);  
box-shadow:4px 4px 4px 4px rgb(185, 177,  
92) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.6615, 42.5313, 16.3496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 177, 92) }
```

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

```
.background{ background-color: rgb(185,  
177, 92) }
```

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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