

# Converting Colors

XYZ(35.1076, 37.9720, 18.7717)

Have a look what the booklet for  
XYZ(35.1076, 37.9720, 18.7717)  
contains.

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# Color

**XYZ(35.2421, 38.1161,  
18.8643)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5A669
RGB	181, 166, 105
RGB Percent	71%, 65%, 41%
CMY	0.2902, 0.3490, 0.5882
CMYK	0.00, 0.08, 0.42, 0.29
HSL	48°, 34%, 56%
HSV	48°, 42%, 71%
XYZ	35.2421, 38.1161, 18.8643
YIQ	163.5310, 28.5210, -15.7910

# Conversions

## Conversions Part 2

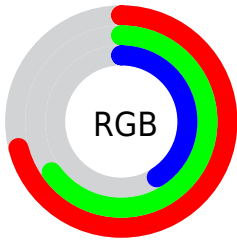
<b>Format</b>	<b>Color</b>
<b>RYB</b>	124, 181, 105
Decimal	11904617
CIELab	68.11, -3.32, 33.52
CIELCh	68, 33.679, 95.656
Yxy	38.1161, 0.3821, 0.4133
Android (android.graphics.Color)	4290094697 (0xFFB5A669)
YUV	163.5310, -28.8558, 15.3203
Hunter-Lab	61.7382, -6.1486, 25.1005

# Details

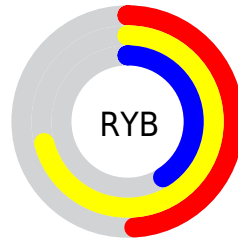
The XYZ color **35.2421, 38.1161, 18.8643** is a light color, and the websafe version is hex **999966**. A complement of this color would be **20.8826, 19.7719, 46.4318**, and the grayscale version is **35.1877, 37.0202, 40.3150**.

A 20% lighter version of the original color is **67.2021, 72.3244, 42.3164**, and **15.4835, 16.8322, 6.1742** is the 20% darker color. If you saturate the color by 10%, you get **33.7692, 36.5039, 14.2619**, and if you desaturate by 10%, it is **36.9330, 39.8471, 24.5170**.

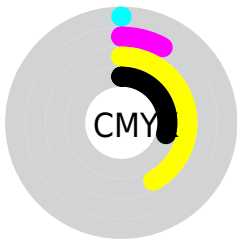
# Distribution



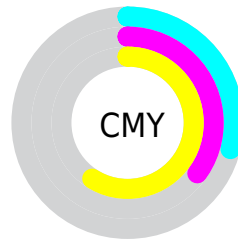
- Red (71%)
- Green (65%)
- Blue (41%)



- Red (49%)
- Yellow (71%)
- Blue (41%)



- Cyan (0%)
- Magenta (8%)
- Yellow (42%)
- Black (29%)



- Cyan (29%)
- Magenta (35%)
- Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.2421, 38.1161, 18.8643 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 35.2421, 38.1161, 18.8643 by changing the saturation by 10% instead.



■ 35.2421, 38.1161,  
18.8643

■ 35.2421, 38.1161,  
18.8643

317.1250,  
338.1177, 258.0963

■ 24.0168, 26.0728,  
11.3964

■ 67.1922, 72.2861,  
42.3383

■ 15.4709, 16.8781,  
6.2166

■ 88.6477, 95.1815,  
59.1816

■ 9.2390, 10.1476,  
2.9063

■ 114.2441,  
122.4631, 79.9870

■ 4.9558, 5.4970,  
1.0470

■ 144.3465,  
154.5153, 105.1732

■ 2.2558, 2.5417,  
0.0000

179.3205,  
191.7225, 135.1587

■ 0.7719, 0.8974,  
0.0000

219.5313,

■ 0.0000, 0.0000,

234.4690, 170.3620

0.0000

265.3444,  
283.1393, 211.2017

■ 35.2421, 38.1161,  
18.8643

■ 35.2421, 38.1161,  
18.8643

■ 33.7692, 36.5039,  
14.2619

■ 36.9330, 39.8471,  
24.5170

■ 32.4985, 34.9998,  
10.6408

■ 38.8507, 41.6966,  
31.2787

■ 31.4168, 33.5997,  
7.9272

■ 41.0070, 43.6707,  
39.2064

■ 30.5078, 32.2968,  
6.0358

■ 43.4119, 45.7739,  
48.3525

■ 29.7519, 31.0831,  
4.8651

■ 46.0750, 48.0101,  
58.7663

■ 29.2253, 30.1622,  
4.2816

■ 49.0052, 50.3831,  
70.4942

■ 52.2110, 52.8965,  
83.5804

■ 55.7005, 55.5537,  
98.0669

■ 57.3338, 57.4991,  
102.6844

# Harmonies

## Analogous

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



40.5516, 38.1161, 20.3377



35.2421, 38.1161, 18.8643



30.6554, 38.1161, 22.1612

# Triad

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



35.2421, 38.1161, 18.8643



28.6279, 38.1161, 60.7434



46.2280, 38.1161, 54.5992

# Complementary

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



35.2421, 38.1161, 18.8643



20.8826, 19.7719, 46.4318

# 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.



42.4384, 38.1161, 69.7105



35.2421, 38.1161, 18.8643



32.2235, 38.1161, 73.8159

# Square

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



35.2421, 38.1161, 18.8643



27.0807, 38.1161, 44.4179



37.2325, 38.1161, 77.4412



47.2335, 38.1161, 38.7165



# Rectangle

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



35.2421, 38.1161, 18.8643



28.5146, 38.1161, 27.2326



37.2325, 38.1161, 77.4412



45.2208, 38.1161, 60.0464

# Sweetspot

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



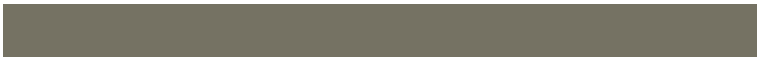
35.2430, 38.1179, 18.8651



72.9442, 77.7665, 68.3568



27.5103, 21.2883, 20.4926



15.5782, 16.6385, 14.0779



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787



# Same Dimension

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



35.2430, 38.1179, 18.8651



60.7651, 65.7006, 26.4011



33.2138, 41.3572, 19.5973



9.0518, 9.6161, 9.0315



20.1964, 20.8914, 2.9680



0.6718, 0.7301, 0.1055



# Inverse Universe

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



20.8826, 19.7719, 46.4318



31.7574, 28.6642, 82.1536



22.2645, 18.0135, 46.0196



8.1733, 8.4927, 10.7148



6.2188, 3.2380, 30.4342



0.2355, 0.1816, 0.9709



# Previews

## White Background



This preview shows how the XYZ color 35.2421, 38.1161, 18.8643 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 35.2421, 38.1161, 18.8643 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

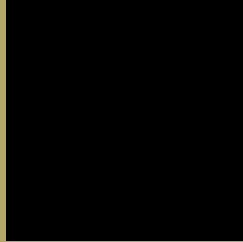
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 35.2421, 38.1161, 18.8643**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.2421, 38.1161, 18.8643.



This preview shows how white text looks on a background with the XYZ color 35.2421, 38.1161,



# 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

35.2421, 38.1161, 18.8643

### Protanopia

35.2421, 38.1161, 18.8643

### Deuteranopia

38.8714, 38.1372, 19.2224



## Tritanopia

40.2216, 38.0474, 43.2542

# Trichromacy



## Original Color

35.2421, 38.1161, 18.8643

## Protanomaly

35.2421, 38.1161, 18.8643

## Deuteranomaly

37.5142, 38.2187, 19.0354

## Tritanomaly

37.9408, 37.8793, 32.5059

# Monochromacy



## Original Color

35.2421, 38.1161, 18.8643

## Achromatopsia

35.2861, 37.1238, 40.4278

## Achromatomaly

34.9906, 37.4395, 31.3689

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.2421, 38.1161, 18.8643 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(181, 166, 105)` looks like.

```
.text, #text, p{  
    color:rgb(181, 166, 105)  
}
```

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(181, 166, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 166, 105) }
```

## Border

The CSS property to change the border of an element to XYZ 35.2421, 38.1161, 18.8643 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(181, 166, 105) }
```



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

```
.border{ border-color:rgb(181, 166, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 166, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 166, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 166, 105);  
box-shadow:4px 4px 4px 4px rgb(181, 166,  
105) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.2421, 38.1161, 18.8643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 166, 105) }
```

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

```
.background{ background-color: rgb(181,  
166, 105) }
```

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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