

# Converting Colors

XYZ(36.4356, 41.8893, 19.2620)

Have a look what the booklet for  
XYZ(36.4356, 41.8893, 19.2620)  
contains.

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# Color

**XYZ(36.3523, 41.7909,  
19.2472)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1B168
RGB	177, 177, 104
RGB Percent	69%, 69%, 41%
CMY	0.3059, 0.3059, 0.5921
CMYK	0.00, 0.00, 0.41, 0.31
HSL	60°, 32%, 55%
HSV	60°, 41%, 69%
XYZ	36.3523, 41.7909, 19.2472
YIQ	168.6780, 23.4330, -22.7030

# Conversions

## Conversions Part 2

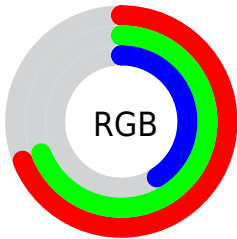
<b>Format</b>	<b>Color</b>
<b>RYB</b>	104, 177, 104
Decimal	11645288
CIELab	70.73, -10.88, 37.28
CIELCh	71, 38.839, 106.270
Yxy	41.7909, 0.3733, 0.4291
Android (android.graphics.Color)	4289835368 (0xFFB1B168)
YUV	168.6780, -31.8863, 7.2984
Hunter-Lab	64.6459, -12.7544, 27.5995

# Details

The XYZ color **36.3523, 41.7909, 19.2472** is a light color, and the websafe version is hex **999966**. A complement of this color would be **18.5966, 16.0191, 43.7093**, and the grayscale version is **37.6983, 39.6615, 43.1914**.

A 20% lighter version of the original color is **69.0713, 78.1706, 42.9005**, and **16.1916, 19.1540, 6.4581** is the 20% darker color. If you saturate the color by 10%, you get **35.5461, 41.4699, 14.9990**, and if you desaturate by 10%, it is **37.3492, 42.1912, 24.4911**.

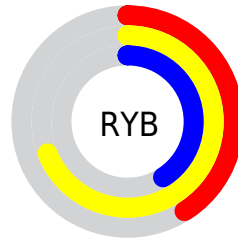
# Distribution



Red (69%)

Green (69%)

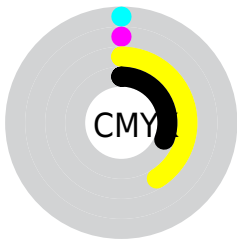
Blue (41%)



Red (41%)

Yellow (69%)

Blue (41%)

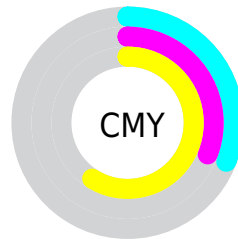


Cyan (0%)

Magenta (0%)

Yellow (41%)

Black (31%)



Cyan (31%)

Magenta (31%)

Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.3523, 41.7909, 19.2472 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 36.3523, 41.7909, 19.2472 by changing the saturation by 10% instead.



■ 36.3523, 41.7909,  
19.2472

■ 36.3523, 41.7909,  
19.2472

321.9022,  
353.6154, 260.2781

■ 24.8778, 28.9376,  
11.6704

■ 68.8958, 77.8831,  
42.9936

■ 16.1143, 19.0336,  
6.3999

■ 90.6955, 101.8907,  
60.0004

■ 9.6964, 11.6946,  
3.0170

■ 116.6676,  
130.3853, 80.9875

■ 5.2588, 6.5361,  
1.1033

■ 147.1775,  
163.7511, 106.3736

■ 2.4362, 3.1737,  
0.0000

182.5906,  
202.3727, 136.5772

■ 0.8632, 1.2231,  
0.0000

223.2722,

■ 0.0000, 0.0804,

246.6343, 172.0167

0.0000

269.5876,  
296.9204, 213.1109

■ 0.0000, 0.0000,  
0.0000

■ 36.3523, 41.7909,  
19.2472

■ 36.3523, 41.7909,  
19.2472

■ 35.5461, 41.4699,  
14.9990

■ 37.3492, 42.1912,  
24.4911

■ 34.9158, 41.2177,  
11.6811

■ 38.5448, 42.6695,  
30.7853

■ 34.4491, 41.0310,  
9.2246


■ 39.9500, 43.2316,  
38.1836


■ 34.1308, 40.9036,  
7.5499


■ 41.5743, 43.8813,  
46.7354


■ 33.9430, 40.8285,  
6.5625


■ 43.4263, 44.6222,  
56.4869

 33.8529, 40.7925,  
6.0895

 45.5146, 45.4575,  
67.4821

 47.8469, 46.3905,  
79.7625

 50.4308, 47.4241,  
93.3678

 51.9070, 48.0146,  
101.1397

# Harmonies

## Analogous

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



42.7326, 41.7909, 19.0189



36.3523, 41.7909, 19.2472



31.4294, 41.7909, 25.1302

# Triad

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



36.3523, 41.7909, 19.2472



31.7626, 41.7909, 76.2351



53.0027, 41.7909, 54.4483

# Complementary

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



36.3523, 41.7909, 19.2472



18.5966, 16.0191, 43.7093

# 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.



49.3559, 41.7909, 74.6779



36.3523, 41.7909, 19.2472



36.8544, 41.7909, 89.3698

# Square

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



36.3523, 41.7909, 19.2472



28.9820, 41.7909, 56.1777



43.2916, 41.7909, 88.7332



52.8307, 41.7909, 36.2745



# Rectangle

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



36.3523, 41.7909, 19.2472



29.4308, 41.7909, 32.6737



43.2916, 41.7909, 88.7332



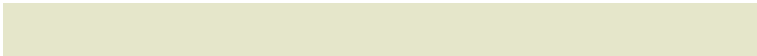
52.1672, 41.7909, 61.3157

# Sweetspot

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



36.3533, 41.7928, 19.2481



71.2861, 77.3182, 67.0190



25.5819, 20.2483, 15.6573



15.3766, 16.7272, 14.1438



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832



# Same Dimension

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



36.3533, 41.7928, 19.2481



63.8418, 74.3403, 27.8278



29.1222, 38.0650, 18.9097



9.1970, 9.9066, 9.0800



24.5261, 29.5538, 4.4118



0.7717, 0.9299, 0.1388



# Inverse Universe

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



18.5966, 16.0191, 43.7093



27.9225, 22.2037, 77.3094



23.7871, 18.6949, 43.9523



8.0420, 8.2302, 10.6711



5.7499, 2.3000, 30.2779



0.1809, 0.0724, 0.9527



# Previews

## White Background



This preview shows how the XYZ color 36.3523, 41.7909, 19.2472 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

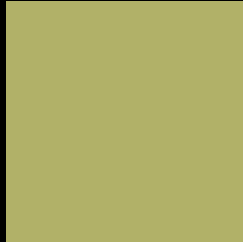
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 36.3523, 41.7909, 19.2472 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

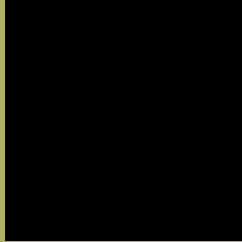
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

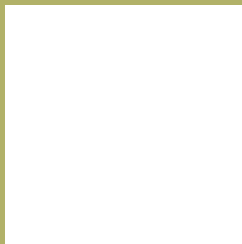
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 36.3523, 41.7909, 19.2472**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.3523, 41.7909, 19.2472.



This preview shows how white text looks on a background with the XYZ color 36.3523, 41.7909,



# 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

36.3523, 41.7909, 19.2472

### Protanopia

38.3780, 41.6852, 18.8553

### Deuteranopia

42.4035, 41.5271, 19.6905



## Tritanopia

42.5928, 41.7806, 49.5356

# Trichromacy



## Original Color

36.3523, 41.7909, 19.2472

## Protanomaly

37.5918, 41.5657, 18.8736

## Deuteranomaly

39.8154, 41.2869, 19.5063

## Tritanomaly

39.8411, 41.4930, 36.0461

# Monochromacy



## Original Color

36.3523, 41.7909, 19.2472

## Achromatopsia

37.7116, 39.6755, 43.2066

## Achromatomaly

36.8766, 40.3200, 32.6270

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.3523, 41.7909, 19.2472 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(177, 177, 104)` looks like.

```
.text, #text, p{  
    color:rgb(177, 177, 104)  
}
```

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(177, 177, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 177, 104) }
```

## Border

The CSS property to change the border of an element to XYZ 36.3523, 41.7909, 19.2472 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(177, 177, 104) }
```



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

```
.border{ border-color:rgb(177, 177, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 177, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 177, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 177, 104);  
box-shadow:4px 4px 4px 4px rgb(177, 177,  
104) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.3523, 41.7909, 19.2472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 177, 104) }
```

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

```
.background{ background-color: rgb(177,  
177, 104) }
```

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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