

# Converting Colors

XYZ(41.2636, 37.5801, 61.0813)

Have a look what the booklet for  
XYZ(41.2636, 37.5801, 61.0813)  
contains.

<b>XYZ(41.3715, 37.7445, 60.9820)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(41.3715, 37.7445,  
60.9820)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B49CCA
RGB	180, 156, 202
RGB Percent	71%, 61%, 79%
CMY	0.2941, 0.3882, 0.2078
CMYK	0.11, 0.23, 0.00, 0.21
HSL	271°, 30%, 70%
HSV	271°, 23%, 79%
XYZ	41.3715, 37.7445, 60.9820
YIQ	168.4200, -0.4620, 19.3940

# Conversions

## Conversions Part 2

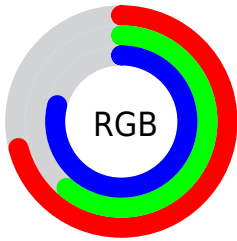
<b>Format</b>	<b>Color</b>
<b>RYB</b>	180, 156, 202
Decimal	11836618
CIELab	67.83, 17.58, -20.32
CIELCh	68, 26.873, 310.872
Yxy	37.7445, 0.2953, 0.2694
Android (android.graphics.Color)	4290026698 (0xFFB49CCA)
YUV	168.4200, 16.5549, 10.1557
Hunter-Lab	61.4366, 12.6883, -15.8457

# Details

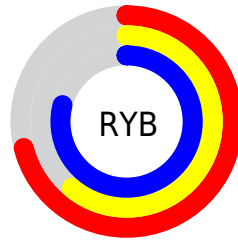
The XYZ color **41.3715, 37.7445, 60.9820** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **45.4827, 54.1073, 39.5008**, and the grayscale version is **37.3481, 39.2931, 42.7902**.

A 20% lighter version of the original color is **75.9363, 71.6414, 104.4336**, and **19.1493, 16.7533, 30.2414** is the 20% darker color. If you saturate the color by 10%, you get **36.0886, 30.4015, 59.8437**, and if you desaturate by 10%, it is **47.3773, 46.2989, 62.3172**.

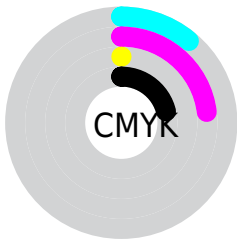
# Distribution



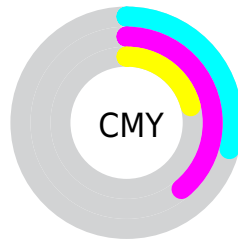
- Red (71%)
- Green (61%)
- Blue (79%)



- Red (71%)
- Yellow (61%)
- Blue (79%)



- Cyan (11%)
- Magenta (23%)
- Yellow (0%)
- Black (21%)




- Cyan (29%)
- Magenta (39%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.3715, 37.7445, 60.9820 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 41.3715, 37.7445, 60.9820 by changing the saturation by 10% instead.




 41.3715, 37.7445,  
60.9820

 41.3715, 37.7445,  
60.9820


342.9070,  
336.5227, 446.1127

 28.7984, 25.7844,  
43.7802


 76.5187, 71.7164,  
107.8101

 19.0719, 16.6625,  
30.1618


 99.8235, 94.4969,  
138.2736

 11.8266, 9.9941,  
19.7083


127.4363,  
121.6532, 173.9946

 6.6970, 5.3951,  
12.0012

159.7224,  
153.5694, 215.3917

 3.3180, 2.4809,  
6.6220

197.0471,  
190.6301, 262.8836

 1.3241, 0.8670,  
3.1520

239.7759,

 0.2011, 0.0000,

233.2196, 316.8887

1.1728

288.2741,  
281.7223, 377.8256

■ 0.0000, 0.0000,  
0.0000

■ 41.3715, 37.7445,  
60.9820

■ 41.3715, 37.7445,  
60.9820

■ 36.0886, 30.4015,  
59.8437

■ 47.3773, 46.2989,  
62.3172

■ 31.4939, 24.2077,  
58.8903

■ 54.1313, 56.1133,  
63.8556

■ 27.5553, 19.1027,  
58.1125

■ 61.6621, 67.2394,  
65.6063

■ 24.2359, 15.0182,  
57.4991

■ 69.9956, 79.7248,  
67.5770

■ 21.4953, 11.8780,  
57.0374

■ 78.5135, 92.3287,  
69.5608

■ 19.2869, 9.5949,  
56.7132

■ 81.6703, 93.9561,  
69.7085

■ 17.5557, 8.0641,  
56.5089

■ 85.0013, 95.6733,  
69.8644

■ 16.5322, 7.2911,  
56.4137

■ 87.6608, 97.0443,  
69.9889

# Harmonies

## Analogous

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



37.4059, 37.7445, 67.9688



41.3715, 37.7445, 60.9820



43.9808, 37.7445, 49.0757

# Triad

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



41.3715, 37.7445, 60.9820



38.5622, 37.7445, 23.0218



28.5749, 37.7445, 45.5741

# Complementary

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



41.3715, 37.7445, 60.9820



45.4827, 54.1073, 39.5008

# 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.



28.8319, 37.7445, 34.0343



41.3715, 37.7445, 60.9820



34.3865, 37.7445, 22.4462

# Square

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



41.3715, 37.7445, 60.9820



42.2741, 37.7445, 27.8485



30.8883, 37.7445, 26.0865



30.1566, 37.7445, 57.9960



# Rectangle

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



41.3715, 37.7445, 60.9820



44.4878, 37.7445, 40.7497



30.8883, 37.7445, 26.0865



28.4524, 37.7445, 41.4470

# Sweetspot

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



41.3727, 37.7461, 60.9828



86.5462, 87.5519, 106.9455



40.3392, 43.2674, 62.1030



18.3741, 18.5211, 22.8565



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



41.3727, 37.7461, 60.9828



65.7863, 57.9418, 102.3243



46.8167, 40.5631, 60.7649



11.1508, 11.1271, 14.1304



10.7417, 4.7451, 36.3060



0.6415, 0.2898, 1.8771



# Inverse Universe

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



44.2827, 39.5495, 47.4211



71.6272, 61.5597, 75.1797



40.8981, 51.7363, 39.6263



11.4320, 11.3015, 12.8097



17.0948, 8.6485, 8.2180

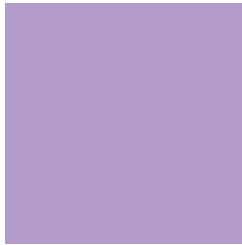


0.9202, 0.4615, 0.6255



# Previews

## White Background



This preview shows how the XYZ color 41.3715, 37.7445, 60.9820 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

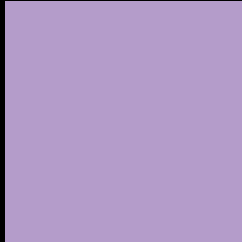
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.3715, 37.7445, 60.9820 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

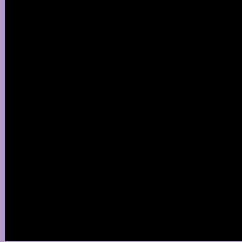
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 41.3715, 37.7445, 60.9820

## Background



This preview shows how black text looks on a background with the XYZ color 41.3715, 37.7445, 60.9820.



This preview shows how white text looks on a background with the XYZ color 41.3715, 37.7445,



# 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

41.3715, 37.7445, 60.9820

### Protanopia

38.0555, 38.0245, 64.3652

### Deuteranopia

38.7728, 37.9502, 60.5399



## Tritanopia

38.0640, 37.6597, 45.3073

# Trichromacy



## Original Color

41.3715, 37.7445, 60.9820

## Protanomaly

39.0742, 37.7900, 62.9924

## Deuteranomaly

39.6910, 37.9047, 60.4827

## Tritanomaly

39.1813, 37.6041, 50.5406

# Monochromacy



## Original Color

41.3715, 37.7445, 60.9820

## Achromatopsia

37.2190, 39.1572, 42.6422

## Achromatomaly

38.5269, 38.6169, 48.6032

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.3715, 37.7445, 60.9820 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(180, 156, 202)` looks like.

```
.text, #text, p{  
    color:rgb(180, 156, 202)  
}
```

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(180, 156, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 156, 202) }
```

## Border

The CSS property to change the border of an element to XYZ 41.3715, 37.7445, 60.9820 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(180, 156, 202) }
```



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

```
.border{ border-color:rgb(180, 156, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 156, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 156, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 156, 202);  
box-shadow:4px 4px 4px 4px rgb(180, 156,  
202) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.3715, 37.7445, 60.9820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 156, 202) }
```

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

```
.background{ background-color: rgb(180,  
156, 202) }
```

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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