

# Converting Colors

XYZ(41.3641, 38.9337, 63.5446)

Have a look what the booklet for  
XYZ(41.3641, 38.9337, 63.5446)  
contains.

<b>XYZ(41.3410, 38.9446, 63.7307)</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(41.3410, 38.9446,  
63.7307)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AEA1CE
RGB	174, 161, 206
RGB Percent	68%, 63%, 81%
CMY	0.3176, 0.3686, 0.1922
CMYK	0.16, 0.22, 0.00, 0.19
HSL	257°, 31%, 72%
HSV	257°, 22%, 81%
XYZ	41.3410, 38.9446, 63.7307
YIQ	170.0170, -6.6970, 16.7510

# Conversions

## Conversions Part 2

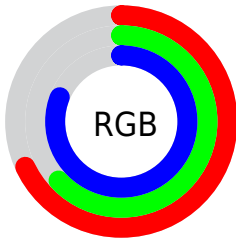
<b>Format</b>	<b>Color</b>
<b>RYB</b>	174, 161, 206
Decimal	11444686
CIELab	68.71, 13.70, -21.25
CIELCh	69, 25.280, 302.819
Yxy	38.9446, 0.2871, 0.2704
Android (android.graphics.Color)	4289634766 (0xFFAEA1CE)
YUV	170.0170, 17.7396, 3.4931
Hunter-Lab	62.4056, 9.0387, -16.8650

# Details

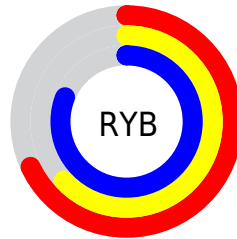
The XYZ color **41.3410, 38.9446, 63.7307** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **50.4979, 58.0542, 42.2640**, and the grayscale version is **38.1347, 40.1207, 43.6914**.

A 20% lighter version of the original color is **75.2390, 73.1547, 104.7625**, and **19.0213, 17.2692, 32.0365** is the 20% darker color. If you saturate the color by 10%, you get **34.9460, 30.7377, 62.4843**, and if you desaturate by 10%, it is **48.6875, 48.5244, 65.1932**.

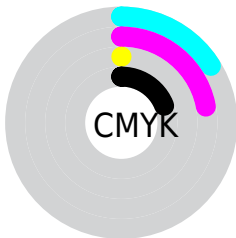
# Distribution



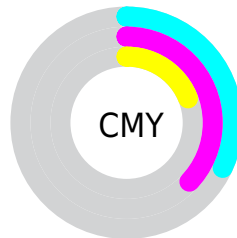
- Red (68%)
- Green (63%)
- Blue (81%)



- Red (68%)
- Yellow (63%)
- Blue (81%)



- Cyan (16%)
- Magenta (22%)
- Yellow (0%)
- Black (19%)



- Cyan (32%)
- Magenta (37%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.3410, 38.9446, 63.7307 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 41.3410, 38.9446, 63.7307 by changing the saturation by 10% instead.



■ 41.3410, 38.9446,  
63.7307

■ 41.3410, 38.9446,  
63.7307

342.7821,  
341.6549, 456.3972

■ 28.7745, 26.7166,  
45.9878

■ 76.4727, 73.5537,  
111.8187

■ 19.0537, 17.3605,  
31.8876

■ 99.7686, 96.7036,  
143.0010

■ 11.8133, 10.4919,  
21.0116

127.3717,  
124.2629, 179.5001

■ 6.6880, 5.7263,  
12.9411

159.6473,  
156.6161, 221.7345

■ 3.3123, 2.6794,  
7.2578

196.9608,  
194.1475, 270.1230

■ 1.3210, 0.9667,  
3.5429

239.6775,

■ 0.1989, 0.0000,

237.2415, 325.0839

1.3781

288.1628,  
286.2825, 387.0358

■ 0.0000, 0.0000,  
0.1246

■ 0.0000, 0.0000,  
0.0000

■ 41.3410, 38.9446,  
63.7307

■ 41.3410, 38.9446,  
63.7307

■ 34.9460, 30.7377,  
62.4843

■ 48.6875, 48.5244,  
65.1932

■ 29.4584, 23.8348,  
61.4411

■ 57.0197, 59.5319,  
66.8787

■ 24.8360, 18.1686,  
60.5911

■ 66.3746, 72.0247,  
68.7970

■ 21.0317, 13.6635,  
59.9220

■ 76.7860, 86.0559,  
70.9566

■ 17.9934, 10.2353,  
59.4204

■ 85.3463, 95.7957,  
72.3854

■ 15.6624, 7.7881,  
59.0709

■ 88.1407, 97.2363,  
72.5161

■ 13.9703, 6.2080,  
58.8551

■ 12.9746, 5.4017,  
58.7520

# Harmonies

## Analogous

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



37.3951, 38.9446, 68.4175



41.3410, 38.9446, 63.7307



44.2849, 38.9446, 53.2786

# Triad

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



41.3410, 38.9446, 63.7307



40.6400, 38.9446, 25.6778



29.8554, 38.9446, 43.4962

# Complementary

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



41.3410, 38.9446, 63.7307



50.4979, 58.0542, 42.2640

# 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.



30.5889, 38.9446, 33.1200



41.3410, 38.9446, 63.7307



36.6388, 38.9446, 23.9946

# Square

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



41.3410, 38.9446, 63.7307



43.8601, 38.9446, 31.5546



33.0031, 38.9446, 26.4608



30.9231, 38.9446, 55.4926



# Rectangle

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



41.3410, 38.9446, 63.7307



45.1797, 38.9446, 45.2165



33.0031, 38.9446, 26.4608



29.8996, 38.9446, 39.7107

# Sweetspot

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



41.3422, 38.9462, 63.7316



85.1008, 86.8068, 106.8778



44.9651, 50.2851, 65.7292



18.0397, 18.3487, 22.8408



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.



41.3422, 38.9462, 63.7316



62.1540, 56.8747, 102.3098



46.7167, 41.7168, 63.9831



10.9011, 10.9983, 14.1187



8.0733, 3.3695, 36.1811



0.4926, 0.2130, 1.8701



# Inverse Universe

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



47.8253, 42.4634, 56.1292



74.4914, 63.5735, 87.5859



45.2457, 55.3467, 42.0182



11.5440, 11.3463, 13.3994



18.9358, 9.3849, 17.9124



1.0087, 0.4969, 1.0919



# Previews

## White Background



This preview shows how the XYZ color 41.3410, 38.9446, 63.7307 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

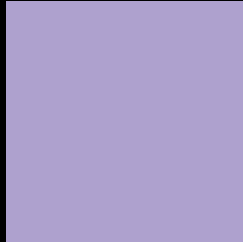
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.3410, 38.9446, 63.7307 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 41.3410, 38.9446, 63.7307**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.3410, 38.9446, 63.7307.



This preview shows how white text looks on a background with the XYZ color 41.3410, 38.9446,



# 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

41.3410, 38.9446, 63.7307

### Protanopia

39.0495, 39.0440, 65.7997

### Deuteranopia

39.8120, 38.9580, 63.1789



## Tritanopia

38.1351, 38.9621, 48.1583

# Trichromacy



## Original Color

41.3410, 38.9446, 63.7307

## Protanomaly

39.7649, 38.8915, 65.0855

## Deuteranomaly

40.2651, 38.9270, 63.1491

## Tritanomaly

39.2554, 38.8830, 53.5803

# Monochromacy



## Original Color

41.3410, 38.9446, 63.7307

## Achromatopsia

38.2080, 40.1978, 43.7754

## Achromatomaly

39.1605, 39.7143, 50.4014

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.3410, 38.9446, 63.7307 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(174, 161, 206)` looks like.

```
.text, #text, p{  
    color:rgb(174, 161, 206)  
}
```

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(174, 161, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 161, 206) }
```

## Border

The CSS property to change the border of an element to XYZ 41.3410, 38.9446, 63.7307 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(174, 161, 206) }
```



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

```
.border{ border-color:rgb(174, 161, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 161, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 161, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 161, 206);  
box-shadow:4px 4px 4px 4px rgb(174, 161,  
206) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.3410, 38.9446, 63.7307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 161, 206) }
```

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

```
.background{ background-color: rgb(174,  
161, 206) }
```

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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