

# Converting Colors

XYZ(35.3038, 30.9576, 61.3760)

Have a look what the booklet for  
XYZ(35.3038, 30.9576, 61.3760)  
contains.

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# Color

**XYZ(35.1775, 30.7972,  
61.2171)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A28CCC
RGB	162, 140, 204
RGB Percent	64%, 55%, 80%
CMY	0.3647, 0.4510, 0.2000
CMYK	0.21, 0.31, 0.00, 0.20
HSL	261°, 39%, 67%
HSV	261°, 31%, 80%
XYZ	35.1775, 30.7972, 61.2171
YIQ	153.8740, -7.4320, 24.5680

# Conversions

## Conversions Part 2

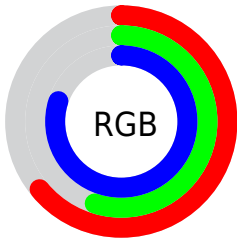
Format	Color
<b>RYB</b>	162, 140, 204
Decimal	10652876
CIELab	62.34, 21.33, -30.01
CIElCh	62, 36.817, 305.408
Yxy	30.7972, 0.2766, 0.2421
Android (android.graphics.Color)	4288842956 (0xFFA28CCC)
YUV	153.8740, 24.7121, 7.1265
Hunter-Lab	55.4952, 16.0315, -26.5565

# Details

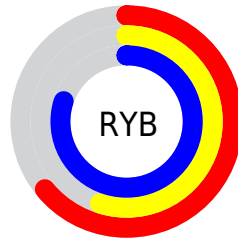
The XYZ color **35.1775, 30.7972, 61.2171** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **45.6187, 55.0249, 33.0287**, and the grayscale version is **30.5583, 32.1497, 35.0110**.

A 20% lighter version of the original color is **66.2552, 60.7090, 102.8337**, and **15.4679, 12.7655, 30.5029** is the 20% darker color. If you saturate the color by 10%, you get **29.8923, 24.0508, 60.1940**, and if you desaturate by 10%, it is **41.3069, 38.8005, 62.4394**.

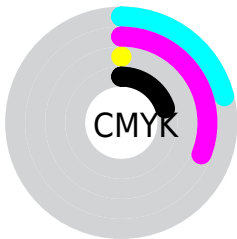
# Distribution



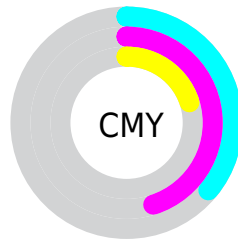
- Red (64%)
- Green (55%)
- Blue (80%)



- Red (64%)
- Yellow (55%)
- Blue (80%)



- Cyan (21%)
- Magenta (31%)
- Yellow (0%)
- Black (20%)



- Cyan (36%)
- Magenta (45%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.1775, 30.7972, 61.2171 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 35.1775, 30.7972, 61.2171 by changing the saturation by 10% instead.



35.1775, 30.7972,  
61.2171

35.1775, 30.7972,  
61.2171

316.8454,  
305.6029, 446.9981

23.9668, 20.4445,  
43.9687

67.0929, 60.9206,  
108.1538

15.4336, 12.7185,  
30.3089

88.5282, 81.4601,  
138.6792

9.2125, 7.2350,  
19.8191

114.1025,  
106.1640, 174.4673

4.9383, 3.6095,  
12.0809

144.1811,  
135.4167, 215.9368

2.2455, 1.4576,  
6.6756

179.1293,  
169.6025, 263.5060

0.7665, 0.2586,  
3.1847

219.3126,

0.0000, 0.0000,

209.1059, 317.5936

1.1897

265.0961,  
254.3112, 378.6182

■ 0.0000, 0.0000,  
0.0000

■ 35.1775, 30.7972,  
61.2171

■ 35.1775, 30.7972,  
61.2171

■ 29.8923, 24.0508,  
60.1940

■ 41.3069, 38.8005,  
62.4394

■ 25.4086, 18.4917,  
59.3573

■ 48.3142, 48.1179,  
63.8685

■ 21.6844, 14.0492,  
58.6961

■ 56.2351, 58.8075,  
65.5143

■ 18.6721, 10.6432,  
58.1974

■ 65.1022, 70.9228,  
67.3854

■ 16.3184, 8.1825,  
57.8465

■ 74.9464, 84.5143,  
69.4900

■ 14.5608, 6.5589,  
57.6258

■ 83.3897, 94.8150,  
71.0332

■ 13.4340, 5.6664,  
57.5129

■ 87.8992, 97.1397,  
71.2443

# Harmonies

## Analogous

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



30.1836, 30.7972, 68.9124



35.1775, 30.7972, 61.2171



38.8702, 30.7972, 46.2884

# Triad

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



35.1775, 30.7972, 61.2171



33.4401, 30.7972, 14.2677



20.7366, 30.7972, 36.1844

# Complementary

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



35.1775, 30.7972, 61.2171



45.6187, 55.0249, 33.0287

# 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.



21.3999, 30.7972, 23.3666



35.1775, 30.7972, 61.2171



28.3786, 30.7972, 12.9710

# Square

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



35.1775, 30.7972, 61.2171



37.7901, 30.7972, 20.0217



24.0671, 30.7972, 15.7803



22.1406, 30.7972, 52.0630



# Rectangle

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



35.1775, 30.7972, 61.2171



39.8912, 30.7972, 35.7766



24.0671, 30.7972, 15.7803



20.7272, 30.7972, 31.3851

# Sweetspot

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



35.1785, 30.7984, 61.2178



82.8352, 83.4760, 106.3543



38.5801, 43.6657, 63.5221



17.3332, 17.3342, 22.6822



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.



35.1785, 30.7984, 61.2178



51.8829, 42.8374, 100.1417



42.3554, 34.4983, 61.5537



10.9593, 11.0283, 14.1214



8.5460, 3.6132, 36.2033



0.5221, 0.2283, 1.8715



# Inverse Universe

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



42.7243, 34.9721, 48.7553



66.6273, 51.0052, 75.2233



39.0282, 51.6274, 32.7203



11.5173, 11.3357, 13.2589



18.4216, 9.1792, 15.2049

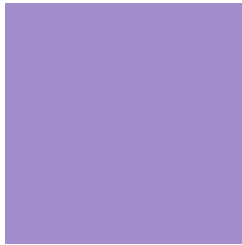


0.9851, 0.4875, 0.9676



# Previews

## White Background



This preview shows how the XYZ color 35.1775, 30.7972, 61.2171 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

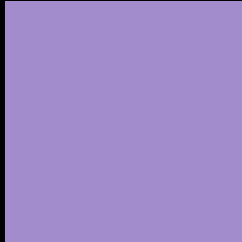
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.1775, 30.7972, 61.2171 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 35.1775, 30.7972, 61.2171**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.1775, 30.7972, 61.2171.



This preview shows how white text looks on a background with the XYZ color 35.1775, 30.7972,



# 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

35.1775, 30.7972, 61.2171

### Protanopia

32.0210, 31.1036, 65.9439

### Deuteranopia

31.7246, 31.0775, 60.2036



## Tritanopia

30.4190, 30.9030, 37.6193

# Trichromacy



## Original Color

35.1775, 30.7972, 61.2171

## Protanomaly

32.9917, 30.9515, 63.9099

## Deuteranomaly

32.9124, 30.9806, 60.7451

## Tritanomaly

32.0200, 30.8605, 45.3433

# Monochromacy



## Original Color

35.1775, 30.7972, 61.2171

## Achromatopsia

30.7148, 32.3143, 35.1903

## Achromatomaly

32.0985, 31.6415, 43.4454

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.1775, 30.7972, 61.2171 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(162, 140, 204)` looks like.

```
.text, #text, p{  
    color:rgb(162, 140, 204)  
}
```

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(162, 140, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 140, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 35.1775, 30.7972, 61.2171 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(162, 140, 204) }
```



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

```
.border{ border-color:rgb(162, 140, 204) }
```

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

Here you see how a box with a 4 pixel rgb(162, 140, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 140, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 140, 204);  
box-shadow:4px 4px 4px 4px rgb(162, 140,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.1775, 30.7972, 61.2171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 140, 204) }
```

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

```
.background{ background-color: rgb(162,  
140, 204) }
```

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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