

# Converting Colors

XYZ(37.5998, 32.8031, 57.3369)

Have a look what the booklet for  
XYZ(37.5998, 32.8031, 57.3369)  
contains.

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# Color

**XYZ(37.5797, 32.7901,  
57.1718)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AF8FC5
RGB	175, 143, 197
RGB Percent	69%, 56%, 77%
CMY	0.3137, 0.4392, 0.2274
CMYK	0.11, 0.27, 0.00, 0.23
HSL	276°, 32%, 67%
HSV	276°, 27%, 77%
XYZ	37.5797, 32.7901, 57.1718
YIQ	158.7240, 1.7380, 23.5780

# Conversions

## Conversions Part 2

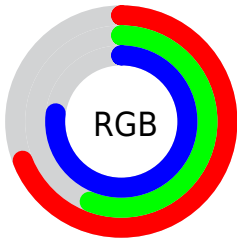
<b>Format</b>	<b>Color</b>
<b>RYB</b>	175, 143, 197
Decimal	11505605
CIELab	63.99, 22.19, -23.44
CIELCh	64, 32.276, 313.439
Yxy	32.7901, 0.2946, 0.2571
Android (android.graphics.Color)	4289695685 (0xFFAF8FC5)
YUV	158.7240, 18.8701, 14.2741
Hunter-Lab	57.2626, 16.9344, -19.1121

# Details

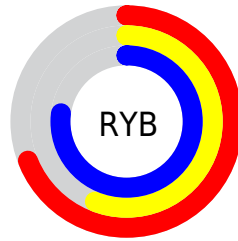
The XYZ color **37.5797, 32.7901, 57.1718** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **40.4423, 49.9158, 33.4913**, and the grayscale version is **32.7456, 34.4510, 37.5171**.

A 20% lighter version of the original color is **70.8106, 64.0772, 102.4019**, and **16.8111, 13.7750, 27.7594** is the 20% darker color. If you saturate the color by 10%, you get **33.1300, 26.4855, 56.1899**, and if you desaturate by 10%, it is **42.6579, 40.1913, 58.3332**.

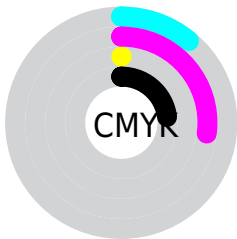
# Distribution



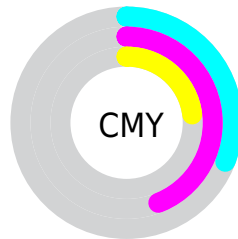
- Red (69%)
- Green (56%)
- Blue (77%)



- Red (69%)
- Yellow (56%)
- Blue (77%)



- Cyan (11%)
- Magenta (27%)
- Yellow (0%)
- Black (23%)



- Cyan (31%)
- Magenta (44%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5797, 32.7901, 57.1718 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 37.5797, 32.7901, 57.1718 by changing the saturation by 10% instead.



■ 37.5797, 32.7901,  
57.1718

■ 37.5797, 32.7901,  
57.1718

327.1257,  
314.7029, 431.6045

■ 25.8324, 21.9657,  
40.7329

■ 70.7715, 64.0477,  
102.2186

■ 16.8303, 13.8317,  
27.7923

■ 92.9467, 85.2497,  
131.6637

■ 10.2081, 8.0037,  
17.9315

119.3286,  
110.6796, 166.2812

■ 5.6005, 4.0973,  
10.7319

150.2826,  
140.7219, 206.4897

■ 2.6420, 1.7281,  
5.7749

186.1739,  
175.7610, 252.7077

■ 0.9674, 0.4418,  
2.6422

227.3679,

■ 0.0000, 0.0000,

216.1813, 305.3538

0.9141

274.2301,  
262.3671, 364.8466

■ 0.0000, 0.0000,  
0.0000

■ 37.5797, 32.7901,  
57.1718

■ 37.5797, 32.7901,  
57.1718

■ 33.1300, 26.4855,  
56.1899

■ 42.6579, 40.1913,  
58.3332

■ 29.2767, 21.2180,  
55.3763

■ 48.3884, 48.7362,  
59.6805

■ 25.9893, 16.9289,  
54.7217

■ 54.7975, 58.4742,  
61.2224

■ 23.2330, 13.5515,  
54.2150

■ 61.9092, 69.4505,  
62.9662

■ 20.9687, 11.0106,  
53.8439

■ 69.7461, 81.7079,  
64.9190

■ 19.1509, 9.2183,  
53.5938

■ 76.3184, 91.2644,  
66.4172

■ 17.7165, 8.0512,  
53.4441

■ 78.8527, 92.5709,  
66.5358

■ 17.3794, 7.7952,  
53.4125

■ 81.5059, 93.9386,  
66.6600

■ 84.2794, 95.3685,  
66.7898

# Harmonies

## Analogous

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



33.2447, 32.7901, 66.0533



37.5797, 32.7901, 57.1718



40.3307, 32.7901, 43.3349

# Triad

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



37.5797, 32.7901, 57.1718



33.7279, 32.7901, 16.6629



23.4048, 32.7901, 41.8511

# Complementary

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



37.5797, 32.7901, 57.1718



40.4423, 49.9158, 33.4913

# 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.



23.5069, 32.7901, 29.0240



37.5797, 32.7901, 57.1718



29.1758, 32.7901, 16.4511

# Square

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



37.5797, 32.7901, 57.1718



37.9630, 32.7901, 21.0923



25.5270, 32.7901, 20.4196



25.2330, 32.7901, 55.8602



# Rectangle

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



37.5797, 32.7901, 57.1718



40.7445, 32.7901, 34.2202



25.5270, 32.7901, 20.4196



23.2203, 32.7901, 37.2277

# Sweetspot

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



37.5808, 32.7915, 57.1725



85.8920, 86.1255, 106.7046



34.9525, 36.9632, 58.1163



18.0351, 17.9098, 22.7563



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.



37.5808, 32.7915, 57.1725



62.3170, 51.6168, 101.2863



42.4193, 35.3445, 54.7472



10.6491, 10.5929, 13.4009



11.5277, 5.1770, 35.1360



0.6264, 0.2867, 1.6675



# Inverse Universe

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



39.6410, 34.2332, 40.1171



66.8102, 54.7434, 64.8877



36.6009, 47.8953, 35.1270



10.8100, 10.7074, 11.9827



16.1431, 8.2068, 5.9636



0.8001, 0.4029, 0.4707



# Previews

## White Background



This preview shows how the XYZ color 37.5797, 32.7901, 57.1718 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

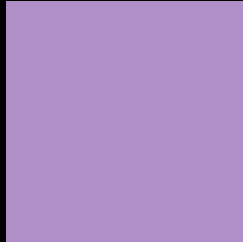
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.5797, 32.7901, 57.1718 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 37.5797, 32.7901, 57.1718

## Background



This preview shows how black text looks on a background with the XYZ color 37.5797, 32.7901, 57.1718.



This preview shows how white text looks on a background with the XYZ color 37.5797, 32.7901,



# 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

37.5797, 32.7901, 57.1718

### Protanopia

33.3952, 32.8530, 62.3387

### Deuteranopia

33.6562, 32.8806, 56.2025



## Tritanopia

33.7016, 32.8209, 38.2770

# Trichromacy



## Original Color

37.5797, 32.7901, 57.1718

## Protanomaly

34.5450, 32.5315, 60.3356

## Deuteranomaly

35.0093, 32.8513, 56.7203

## Tritanomaly

34.8683, 32.5814, 44.4955

# Monochromacy



## Original Color

37.5797, 32.7901, 57.1718

## Achromatopsia

32.9542, 34.6704, 37.7561

## Achromatomaly

34.4511, 33.7989, 44.2432

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.5797, 32.7901, 57.1718 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(175, 143, 197)` looks like.

```
.text, #text, p{  
    color:rgb(175, 143, 197)  
}
```

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(175, 143, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 143, 197) }
```

## Border

The CSS property to change the border of an element to XYZ 37.5797, 32.7901, 57.1718 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(175, 143, 197) }
```



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

```
.border{ border-color:rgb(175, 143, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 143, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 143, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 143, 197);  
box-shadow:4px 4px 4px 4px rgb(175, 143,  
197) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.5797, 32.7901, 57.1718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 143, 197) }
```

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

```
.background{ background-color: rgb(175,  
143, 197) }
```

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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