

Converting Colors

XYZ(37.5302, 34.9021, 71.9702)

Have a look what the booklet for
XYZ(37.5302, 34.9021, 71.9702)
contains.

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Color

**XYZ(37.6682, 35.0957,
71.8067)**

Conversions

Conversions Part 1

Format	Color
Hex	9A9ADB
RGB	154, 154, 219
RGB Percent	60%, 60%, 86%
CMY	0.3961, 0.3961, 0.1412
CMYK	0.30, 0.30, 0.00, 0.14
HSL	240°, 47%, 73%
HSV	240°, 30%, 86%
XYZ	37.6682, 35.0957, 71.8067
YIQ	161.4100, -20.8650, 20.2150

Conversions

Conversions Part 2

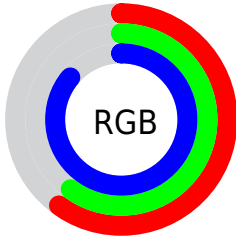
Format	Color
RYB	154, 154, 219
Decimal	10132187
CIELab	65.82, 14.58, -33.01
CIELCh	66, 36.089, 293.831
Yxy	35.0957, 0.2606, 0.2428
Android (android.graphics.Color)	4288322267 (0xFF9A9ADB)
YUV	161.4100, 28.3919, -6.4986
Hunter-Lab	59.2416, 9.8246, -30.3962

Details

The XYZ color **37.6682, 35.0957, 71.8067** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **60.3784, 68.0568, 40.5271**, and the grayscale version is **33.9469, 35.7147, 38.8934**.

A 20% lighter version of the original color is **67.1842, 66.0334, 103.8125**, and **16.9179, 15.1475, 37.1541** is the 20% darker color. If you saturate the color by 10%, you get **30.5834, 26.5589, 70.5330**, and if you desaturate by 10%, it is **46.1752, 45.3460, 73.3375**.

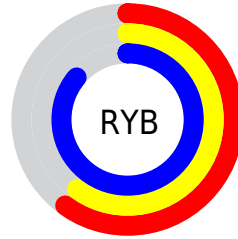
Distribution



Red (60%)

Green (60%)

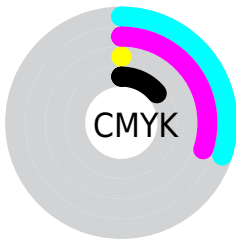
Blue (86%)



Red (60%)

Yellow (60%)

Blue (86%)

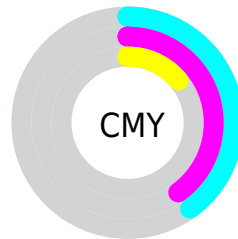


Cyan (30%)

Magenta (30%)

Yellow (0%)

Black (14%)



Cyan (40%)

Magenta (40%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6682, 35.0957, 71.8067 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 37.6682, 35.0957, 71.8067 by changing the saturation by 10% instead.

■ 37.6682, 35.0957,
71.8067

■ 37.6682, 35.0957,
71.8067

327.5000,
324.9905, 485.8280

■ 25.9013, 23.7366,
52.5149

■ 70.9065, 67.6340,
123.4868

■ 16.8821, 15.1383,
37.0306

■ 93.1086, 89.5820,
156.7123

■ 10.2453, 8.9165,
24.9352

119.5198,
115.8284, 195.4193

■ 5.6254, 4.6868,
15.8102

150.5055,
146.7576, 240.0265

■ 2.6571, 2.0647,
9.2371

186.4310,
182.7540, 290.9525

■ 0.9752, 0.6447,
4.7972

227.6617,

■ 0.0000, 0.0000,

224.2021, 348.6157

2.0721

274.5629,
271.4861, 413.4346

■ 0.0000, 0.0000,
0.5991

■ 0.0000, 0.0000,
0.0000

■ 37.6682, 35.0957,
71.8067

■ 37.6682, 35.0957,
71.8067

■ 30.5834, 26.5589,
70.5330

■ 46.1752, 45.3460,
73.3375

■ 24.8398, 19.6383,
69.4999

■ 56.1722, 57.3918,
75.1356

■ 20.3542, 14.2334,
68.6930

■ 67.7271, 71.3146,
77.2140

■ 17.0321, 10.2305,
68.0955

■ 80.9023, 87.1899,
79.5838

■ 14.7663, 7.5003,
67.6879

■ 89.7863, 97.8945,
81.1818

■ 13.4292, 5.8892,
67.4474

■ 12.8027, 5.1343,
67.3347

■ 12.7863, 5.1145,
67.3318

Harmonies

Analogous

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



32.2691, 35.0957, 75.4143



37.6682, 35.0957, 71.8067



42.3256, 35.0957, 58.2655

Triad

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



37.6682, 35.0957, 71.8067



39.7731, 35.0957, 19.0911



24.1773, 35.0957, 35.1476

Complementary

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



37.6682, 35.0957, 71.8067



60.3784, 68.0568, 40.5271

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.



25.7549, 35.0957, 23.3871



37.6682, 35.0957, 71.8067



34.4700, 35.0957, 15.8433

Square

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



37.6682, 35.0957, 71.8067



43.6285, 35.0957, 27.5466



29.3887, 35.0957, 17.1748



24.8399, 35.0957, 51.3293

Rectangle

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



37.6682, 35.0957, 71.8067



44.1906, 35.0957, 46.9755



29.3887, 35.0957, 17.1748



24.4573, 35.0957, 30.6146

Sweetspot

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



37.6694, 35.0971, 71.8075



80.2157, 82.1256, 106.2318



51.3029, 62.5915, 75.6506



16.6930, 17.0042, 22.6523



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.



37.6694, 35.0971, 71.8075



46.3281, 41.2933, 100.1364



44.4511, 38.5931, 72.1249



12.3387, 12.6172, 16.4372



7.5816, 3.0327, 39.9242



0.4912, 0.1965, 2.5865

Inverse Universe

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



46.6028, 40.5056, 35.9353



61.0016, 50.1770, 41.2145



51.8017, 63.6355, 40.1257



13.0561, 13.0515, 13.5567



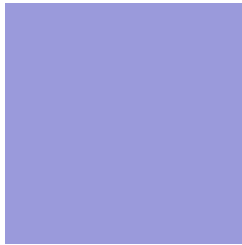
17.3222, 8.9299, 0.8107



1.1222, 0.5785, 0.0525

Previews

White Background



This preview shows how the XYZ color 37.6682, 35.0957, 71.8067 looks on a white background.

Color Contrast Check

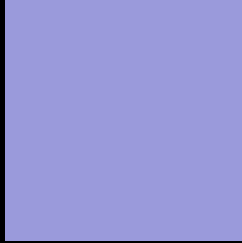
Large Text (above 18pt) WCAG AA × Fail

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 37.6682, 35.0957, 71.8067 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

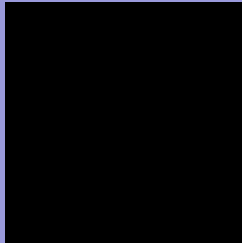
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.6682, 35.0957, 71.8067

Background



This preview shows how black text looks on a background with the XYZ color 37.6682, 35.0957, 71.8067.



This preview shows how white text looks on a background with the XYZ color 37.6682, 35.0957,

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

37.6682, 35.0957, 71.8067

Protanopia

36.2269, 35.3031, 74.0121

Deuteranopia

36.0371, 35.2665, 71.2374



Tritanopia

32.3352, 34.9555, 45.6003

Trichromacy



Original Color

37.6682, 35.0957, 71.8067

Protanomaly

36.7852, 35.3541, 73.2919

Deuteranomaly

36.5659, 35.2869, 71.2135

Tritanomaly

34.0148, 34.8538, 54.2249

Monochromacy



Original Color

37.6682, 35.0957, 71.8067

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

34.7709, 35.1002, 49.1984

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6682, 35.0957, 71.8067 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(154, 154, 219)` looks like.

```
.text, #text, p{  
    color:rgb(154, 154, 219)  
}
```

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(154, 154, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 154, 219) }
```

Border

The CSS property to change the border of an element to XYZ 37.6682, 35.0957, 71.8067 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(154, 154, 219) }
```


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

```
.border{ border-color:rgb(154, 154, 219) }
```

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

Here you see how a box with a 4 pixel rgb(154, 154, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 154, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 154, 219);  
box-shadow:4px 4px 4px 4px rgb(154, 154,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6682, 35.0957, 71.8067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 154, 219) }
```

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

```
.background{ background-color: rgb(154,  
154, 219) }
```

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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