

Converting Colors

XYZ(38.0835, 37.6637, 56.9164)

Have a look what the booklet for
XYZ(38.0835, 37.6637, 56.9164)
contains.

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Color

**XYZ(38.0805, 37.6733,
56.8944)**

Conversions

Conversions Part 1

Format	Color
Hex	A4A2C3
RGB	164, 162, 195
RGB Percent	64%, 64%, 76%
CMY	0.3569, 0.3647, 0.2353
CMYK	0.16, 0.17, 0.00, 0.24
HSL	244°, 22%, 70%
HSV	244°, 17%, 76%
XYZ	38.0805, 37.6733, 56.8944
YIQ	166.3600, -9.4010, 10.6870

Conversions

Conversions Part 2

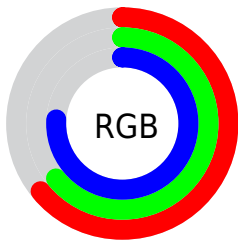
Format	Color
RYB	164, 162, 195
Decimal	10789571
CIELab	67.78, 7.49, -16.64
CIElCh	68, 18.248, 294.217
Yxy	37.6733, 0.2871, 0.2840
Android (android.graphics.Color)	4288979651 (0xFFA4A2C3)
YUV	166.3600, 14.1195, -2.0697
Hunter-Lab	61.3786, 3.3325, -11.9934

Details

The XYZ color **38.0805, 37.6733, 56.8944** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **48.0303, 52.9773, 41.8783**, and the grayscale version is **36.3577, 38.2511, 41.6554**.

A 20% lighter version of the original color is **71.5970, 71.7141, 102.1641**, and **17.0657, 16.5197, 27.4885** is the 20% darker color. If you saturate the color by 10%, you get **31.3963, 29.5183, 55.6732**, and if you desaturate by 10%, it is **45.8443, 47.1774, 58.3203**.

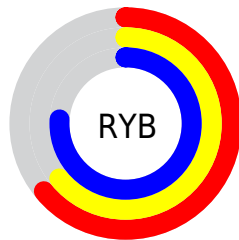
Distribution



Red (64%)

Green (64%)

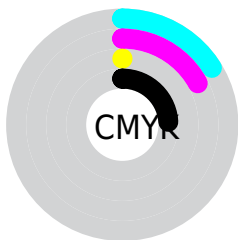
Blue (76%)



Red (64%)

Yellow (64%)

Blue (76%)

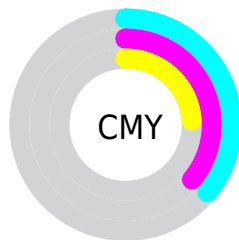


Cyan (16%)

Magenta (17%)

Yellow (0%)

Black (24%)



Cyan (36%)

Magenta (36%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.0805, 37.6733, 56.8944 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 38.0805, 37.6733, 56.8944 by changing the saturation by 10% instead.

■ 38.0805, 37.6733,
56.8944

■ 38.0805, 37.6733,
56.8944

329.2401,
336.2164, 430.5361

■ 26.2227, 25.7292,
40.5117

■ 71.5346, 71.6071,
101.8099

■ 17.1239, 16.6212,
27.6209

■ 93.8616, 94.3656,
131.1797

■ 10.4187, 9.9648,
17.8035

120.4090,
121.4978, 165.7157

■ 5.7418, 5.3756,
10.6410

151.5422,
153.3879, 205.8363

■ 2.7279, 2.4693,
5.7149

187.6266,
190.4205, 251.9601

■ 1.0116, 0.8612,
2.6065

229.0274,

■ 0.0000, 0.0000,

232.9798, 304.5057

0.8958

276.1101,
281.4503, 363.8915

■ 0.0000, 0.0000,
0.0000

■ 38.0805, 37.6733,
56.8944

■ 38.0805, 37.6733,
56.8944

■ 31.3963, 29.5183,
55.6732

■ 45.8443, 47.1774,
58.3203

■ 25.7405, 22.6469,
54.6450

■ 54.7288, 58.0830,
59.9570

■ 21.0630, 16.9951,
53.8006

■ 64.7774, 70.4454,
61.8136

■ 17.3083, 12.4915,
53.1292

■ 76.0300, 84.3153,
63.8977

■ 14.4152, 9.0573,
52.6189

■ 86.8504, 96.7202,
65.7217

■ 12.3149, 6.6038,
52.2560

■ 10.9284, 5.0280,
52.0249

■ 10.1549, 4.1938,
51.9047

■ 9.9994, 4.0170,
51.8787

Harmonies

Analogous

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



35.2632, 37.6733, 58.5126



38.0805, 37.6733, 56.8944



40.3940, 37.6733, 50.7981

Triad

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



38.0805, 37.6733, 56.8944



39.0761, 37.6733, 29.6564



30.6736, 37.6733, 39.4732

Complementary

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



38.0805, 37.6733, 56.8944



48.0303, 52.9773, 41.8783

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.



31.5817, 37.6733, 32.5845



38.0805, 37.6733, 56.8944



36.3571, 37.6733, 27.4152

Square

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



38.0805, 37.6733, 56.8944



40.9897, 37.6733, 34.9675



33.6265, 37.6733, 28.4123



31.0813, 37.6733, 47.7330

Rectangle

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



38.0805, 37.6733, 56.8944



41.2892, 37.6733, 45.3953



33.6265, 37.6733, 28.4123



30.8335, 37.6733, 36.9349

Sweetspot

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



38.0817, 37.6749, 56.8952



84.8879, 87.9045, 104.9630



43.8992, 49.9173, 58.9517



18.3511, 18.9578, 22.9420



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.



38.0817, 37.6749, 56.8952



63.9349, 62.2608, 101.1176



41.6293, 39.5037, 57.0613



9.5835, 9.7765, 12.6668



6.5240, 2.6237, 33.7192



0.3017, 0.1236, 1.4578

Inverse Universe

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



45.0529, 41.2946, 56.0498



78.5794, 69.8659, 99.2877



44.1351, 50.9693, 41.6960



10.4701, 10.2367, 12.5661



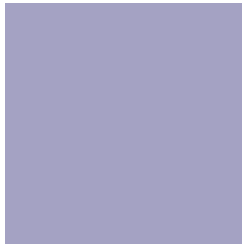
20.2070, 9.7726, 30.0660



0.8812, 0.4255, 1.3419

Previews

White Background



This preview shows how the XYZ color 38.0805, 37.6733, 56.8944 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 38.0805, 37.6733, 56.8944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

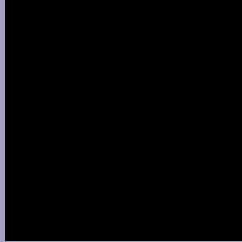
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.0805, 37.6733, 56.8944

Background



This preview shows how black text looks on a background with the XYZ color 38.0805, 37.6733, 56.8944.



This preview shows how white text looks on a background with the XYZ color 38.0805, 37.6733,

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

38.0805, 37.6733, 56.8944

Protanopia

37.3398, 37.8055, 57.5537

Deuteranopia

38.3211, 37.5369, 56.8554



Tritanopia

36.1890, 37.7017, 47.4893

Trichromacy



Original Color

38.0805, 37.6733, 56.8944

Protanomaly

37.5582, 37.6535, 57.5129

Deuteranomaly

38.1122, 37.4292, 56.8456

Tritanomaly

36.8275, 37.6930, 50.6819

Monochromacy



Original Color

38.0805, 37.6733, 56.8944

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

36.9080, 38.0839, 47.0006

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0805, 37.6733, 56.8944 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(164, 162, 195) looks like.

```
.text, #text, p{  
    color:rgb(164, 162, 195)  
}
```

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(164, 162, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 162, 195) }
```

Border

The CSS property to change the border of an element to XYZ 38.0805, 37.6733, 56.8944 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(164, 162, 195) }
```


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

```
.border{ border-color:rgb(164, 162, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 162, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 162, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 162, 195);  
box-shadow:4px 4px 4px 4px rgb(164, 162,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0805, 37.6733, 56.8944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 162, 195) }
```

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

```
.background{ background-color: rgb(164,  
162, 195) }
```

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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