

Converting Colors

XYZ(37.6403, 37.0626, 51.7080)

Have a look what the booklet for
XYZ(37.6403, 37.0626, 51.7080)
contains.

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Color

**XYZ(37.5822, 37.0116,
51.6175)**

Conversions

Conversions Part 1

Format	Color
Hex	A8A0BA
RGB	168, 160, 186
RGB Percent	66%, 63%, 73%
CMY	0.3412, 0.3725, 0.2706
CMYK	0.10, 0.14, 0.00, 0.27
HSL	258°, 16%, 68%
HSV	258°, 14%, 73%
XYZ	37.5822, 37.0116, 51.6175
YIQ	165.3560, -3.5780, 9.7820

Conversions

Conversions Part 2

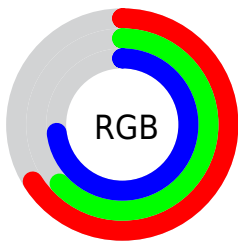
Format	Color
R _Y B	168, 160, 186
Decimal	11051194
CIE Lab	67.29, 8.00, -12.35
CIE LCh	67, 14.714, 302.924
Yxy	37.0116, 0.2978, 0.2933
Android (android.graphics.Color)	4289241274 (0xFFA8A0BA)
YUV	165.3560, 10.1775, 2.3188
Hunter-Lab	60.8372, 3.8035, -7.7188

Details

The XYZ color **37.5822, 37.0116, 51.6175** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **42.2654, 47.1218, 40.1272**, and the grayscale version is **35.8899, 37.7589, 41.1195**.

A 20% lighter version of the original color is **70.7589, 70.6997, 93.9214**, and **16.9047, 16.3437, 24.4540** is the 20% darker color. If you saturate the color by 10%, you get **31.9889, 29.6951, 50.5006**, and if you desaturate by 10%, it is **43.9317, 45.4361, 52.9095**.

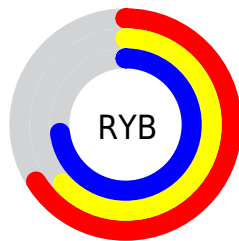
Distribution



Red (66%)

Green (63%)

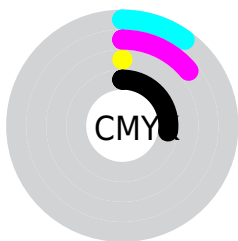
Blue (73%)



Red (66%)

Yellow (63%)

Blue (73%)

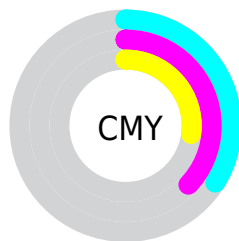


Cyan (10%)

Magenta (14%)

Yellow (0%)

Black (27%)



Cyan (34%)

Magenta (37%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5822, 37.0116, 51.6175 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 37.5822, 37.0116, 51.6175 by changing the saturation by 10% instead.

■ 37.5822, 37.0116,
51.6175

■ 37.5822, 37.0116,
51.6175

327.1362,
333.3607, 409.8730

■ 25.8343, 25.2165,
36.3201

■ 70.7753, 70.5906,
93.9877

■ 16.8318, 16.2384,
24.3899

■ 92.9513, 93.1433,
121.8977

■ 10.2092, 9.6930,
15.4082

119.3340,
120.0506, 154.8489

■ 5.6012, 5.1959,
8.9566

150.2889,
151.6970, 193.2599

■ 2.6425, 2.3627,
4.6165

186.1811,
188.4668, 237.5493

■ 0.9676, 0.8066,
1.9693

227.3762,

■ 0.0000, 0.0000,

230.7444, 288.1356

0.5363

274.2395,
278.9143, 345.4373

■ 0.0000, 0.0000,
0.0000

■ 37.5822, 37.0116,
51.6175

■ 37.5822, 37.0116,
51.6175

■ 31.9889, 29.6951,
50.5006

■ 43.9317, 45.4361,
52.9095

■ 27.1193, 23.4350,
49.5490

■ 51.0615, 55.0077,
54.3812

■ 22.9432, 18.1829,
48.7553

■ 58.9990, 65.7695,
56.0401

■ 19.4271, 13.8843,
48.1109

■ 67.7691, 77.7610,
57.8925

■ 16.5344, 10.4798,
47.6063

■ 77.3954, 91.0198,
59.9443

■ 14.2248, 7.9029,
47.2306

■ 82.3730, 94.5260,
60.3587

■ 12.4525, 6.0775,
46.9717

■ 85.8630, 96.3252,
60.5221

■ 11.1636, 4.9124,
46.8147

■ 10.5631, 4.4216,
46.7516

Harmonies

Analogous

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



35.3995, 37.0116, 53.9802



37.5822, 37.0116, 51.6175



39.1721, 37.0116, 46.2049

Triad

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



37.5822, 37.0116, 51.6175



37.1842, 37.0116, 30.2449



31.0330, 37.0116, 40.9346

Complementary

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



37.5822, 37.0116, 51.6175



42.2654, 47.1218, 40.1272

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.



31.4658, 37.0116, 34.9197



37.5822, 37.0116, 51.6175



34.9582, 37.0116, 29.1505

Square

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



37.5822, 37.0116, 51.6175



38.9355, 37.0116, 33.9342



32.8794, 37.0116, 30.7698



31.6711, 37.0116, 47.4144

Rectangle

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



37.5822, 37.0116, 51.6175



39.6479, 37.0116, 41.8446



32.8794, 37.0116, 30.7698



31.0581, 37.0116, 38.7926

Sweetspot

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



37.5833, 37.0132, 51.6183



79.5190, 82.2093, 95.8783



39.3216, 42.9403, 52.6708



17.3088, 17.8335, 21.0725



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.5833, 37.0132, 51.6183



64.6219, 62.4872, 92.8567



40.4440, 38.4879, 51.7522



8.7741, 8.8499, 11.3252



7.1748, 3.0099, 31.4559



0.3182, 0.1398, 1.1120

Inverse Universe

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



40.8576, 38.7966, 47.4561



71.8302, 66.4159, 83.5879



39.4640, 45.6776, 39.9961



9.2601, 9.1144, 10.7171



16.3140, 8.0993, 14.8060



0.6014, 0.2960, 0.6605

Previews

White Background



This preview shows how the XYZ color 37.5822, 37.0116, 51.6175 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 37.5822, 37.0116, 51.6175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

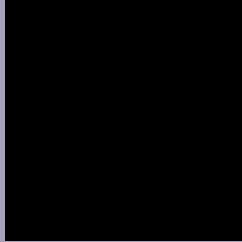
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.5822, 37.0116, 51.6175

Background



This preview shows how black text looks on a background with the XYZ color 37.5822, 37.0116, 51.6175.



This preview shows how white text looks on a background with the XYZ color 37.5822, 37.0116,

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

37.5822, 37.0116, 51.6175

Protanopia

36.6715, 37.2988, 52.8435

Deuteranopia

37.7959, 37.1218, 51.6275



Tritanopia

36.3841, 37.0428, 45.7898

Trichromacy



Original Color

37.5822, 37.0116, 51.6175

Protanomaly

36.9942, 37.2150, 52.2471

Deuteranomaly

37.7959, 37.1218, 51.6275

Tritanomaly

36.8179, 36.9599, 47.8413

Monochromacy



Original Color

37.5822, 37.0116, 51.6175

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

36.3659, 37.3185, 44.8217

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5822, 37.0116, 51.6175 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(168, 160, 186)` looks like.

```
.text, #text, p{  
    color:rgb(168, 160, 186)  
}
```

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(168, 160, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 160, 186) }
```

Border

The CSS property to change the border of an element to XYZ 37.5822, 37.0116, 51.6175 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(168, 160, 186) }
```


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

```
.border{ border-color:rgb(168, 160, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 160, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 160, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 160, 186);  
box-shadow:4px 4px 4px 4px rgb(168, 160,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5822, 37.0116, 51.6175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 160, 186) }
```

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

```
.background{ background-color: rgb(168,  
160, 186) }
```

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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