

Converting Colors

XYZ(38.3434, 37.7476, 57.0273)

Have a look what the booklet for
XYZ(38.3434, 37.7476, 57.0273)
contains.

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Color

**XYZ(38.2877, 37.7801,
56.9041)**

Conversions

Conversions Part 1

Format	Color
Hex	A5A2C3
RGB	165, 162, 195
RGB Percent	65%, 64%, 76%
CMY	0.3529, 0.3647, 0.2353
CMYK	0.15, 0.17, 0.00, 0.24
HSL	245°, 22%, 70%
HSV	245°, 17%, 76%
XYZ	38.2877, 37.7801, 56.9041
YIQ	166.6590, -8.8050, 10.8990

Conversions

Conversions Part 2

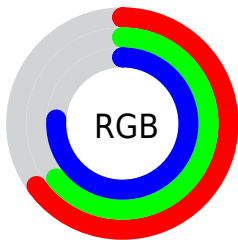
Format	Color
R_{YB}	165, 162, 195
Decimal	10855107
CIE _{Lab}	67.86, 7.81, -16.52
CIE _{LCh}	68, 18.270, 295.314
Yxy	37.7801, 0.2879, 0.2841
Android (android.graphics.Color)	4289045187 (0xFFA5A2C3)
YUV	166.6590, 13.9721, -1.4549
Hunter-Lab	61.4655, 3.6254, -11.8642

Details

The XYZ color **38.2877, 37.7801, 56.9041** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **47.7762, 52.8463, 41.8664**, and the grayscale version is **36.5030, 38.4040, 41.8220**.

A 20% lighter version of the original color is **71.8987, 71.8696, 102.1782**, and **17.1937, 16.5857, 27.4944** is the 20% darker color. If you saturate the color by 10%, you get **31.6803, 29.6647, 55.6865**, and if you desaturate by 10%, it is **45.9413, 47.2274, 58.3248**.

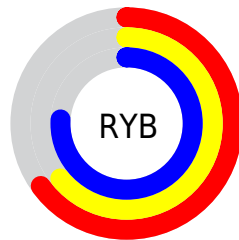
Distribution



Red (65%)

Green (64%)

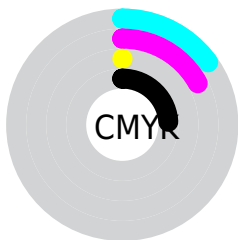
Blue (76%)



Red (65%)

Yellow (64%)

Blue (76%)

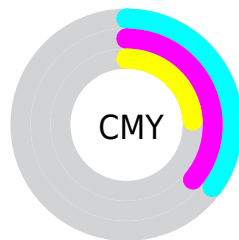


Cyan (15%)

Magenta (17%)

Yellow (0%)

Black (24%)



Cyan (35%)

Magenta (36%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.2877, 37.7801, 56.9041 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 38.2877, 37.7801, 56.9041 by changing the saturation by 10% instead.

■ 38.2877, 37.7801,
56.9041

■ 38.2877, 37.7801,
56.9041

330.1121,
336.6757, 430.5735

■ 26.3843, 25.8121,
40.5194

■ 71.8500, 71.7710,
101.8242

■ 17.2455, 16.6831,
27.6269

■ 94.2395, 94.5626,
131.1967

■ 10.5061, 10.0088,
17.8080

120.8551,
121.7308, 165.7355

■ 5.8006, 5.4048,
10.6442

152.0622,
153.6602, 205.8592

■ 2.7637, 2.4867,
5.7170

188.2261,
190.7349, 251.9863

■ 1.0301, 0.8700,
2.6078

229.7121,

■ 0.0000, 0.0000,

233.3395, 304.5353

0.8965

276.8857,
281.8583, 363.9249

■ 0.0000, 0.0000,
0.0000

■ 38.2877, 37.7801,
56.9041

■ 38.2877, 37.7801,
56.9041

■ 31.6803, 29.6647,
55.6865

■ 45.9413, 47.2274,
58.3248

■ 26.0702, 22.8169,
54.6605

■ 54.6800, 58.0579,
59.9547

■ 21.4098, 17.1739,
53.8169

■ 64.5454, 70.3258,
61.8027

■ 17.6462, 12.6657,
53.1451

■ 75.5756, 84.0811,
63.8764

■ 14.7216, 9.2153,
52.6332

■ 86.3531, 96.4638,
65.6985

■ 12.5709, 6.7358,
52.2680

■ 86.8504, 96.7202,
65.7217

■ 11.1196, 5.1266,
52.0339

■ 10.2730, 4.2547,
51.9102

■ 10.0947, 4.0661,
51.8832

Harmonies

Analogous

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



35.4659, 37.7801, 58.7173



38.2877, 37.7801, 56.9041



40.5748, 37.7801, 50.6636

Triad

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



38.2877, 37.7801, 56.9041



39.0974, 37.7801, 29.5996



30.7509, 37.7801, 39.8754

Complementary

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



38.2877, 37.7801, 56.9041



47.7762, 52.8463, 41.8664

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.



31.6151, 37.7801, 32.8849



38.2877, 37.7801, 56.9041



36.3555, 37.7801, 27.4695

Square

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



38.2877, 37.7801, 56.9041



41.0593, 37.7801, 34.8222



33.6306, 37.7801, 28.5885



31.2082, 37.7801, 48.1706

Rectangle

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



38.2877, 37.7801, 56.9041



41.4376, 37.7801, 45.2174



33.6306, 37.7801, 28.5885



30.8951, 37.7801, 37.3081

Sweetspot

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



38.2889, 37.7817, 56.9049



85.0183, 87.9718, 104.9691



43.6563, 49.4317, 58.8707



18.3834, 18.9744, 22.9435



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.



38.2889, 37.7817, 56.9049



64.3592, 62.4795, 101.1374



41.8867, 39.6364, 57.0733



9.6113, 9.7908, 12.6681



6.5927, 2.6591, 33.7224



0.3143, 0.1301, 1.4584

Inverse Universe

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



44.9417, 41.2501, 55.4642



78.3411, 69.7706, 98.0331



43.8859, 50.8407, 41.6843



10.4566, 10.2312, 12.4948



19.8199, 9.6177, 28.0275



0.8681, 0.4203, 1.2729

Previews

White Background



This preview shows how the XYZ color 38.2877, 37.7801, 56.9041 looks on a white background.

Color Contrast Check

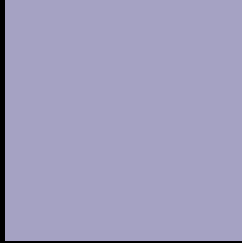
Large Text (above 18pt) WCAG AA × Fail

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 38.2877, 37.7801, 56.9041 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

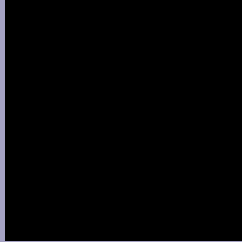
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.2877, 37.7801, 56.9041

Background



This preview shows how black text looks on a background with the XYZ color 38.2877, 37.7801, 56.9041.



This preview shows how white text looks on a background with the XYZ color 38.2877, 37.7801,

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

38.2877, 37.7801, 56.9041

Protanopia

37.5373, 37.9074, 57.5630

Deuteranopia

38.5315, 37.6454, 56.8652



Tritanopia

36.3913, 37.8060, 47.4987

Trichromacy



Original Color

38.2877, 37.7801, 56.9041

Protanomaly

37.7589, 37.7570, 57.5223

Deuteranomaly

38.3211, 37.5369, 56.8554

Tritanomaly

37.0314, 37.7981, 50.6914

Monochromacy



Original Color

38.2877, 37.7801, 56.9041

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

37.1168, 38.1916, 47.0104

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2877, 37.7801, 56.9041 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(165, 162, 195)` looks like.

```
.text, #text, p{  
    color:rgb(165, 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(165, 162, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 162, 195) }
```

Border

The CSS property to change the border of an element to XYZ 38.2877, 37.7801, 56.9041 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(165, 162, 195) }
```


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

```
.border{ border-color:rgb(165, 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(165, 162, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 162, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 162, 195);  
box-shadow:4px 4px 4px 4px rgb(165, 162,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2877, 37.7801, 56.9041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 162, 195) }
```

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

```
.background{ background-color: rgb(165,  
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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