

Converting Colors

XYZ(38.6954, 38.8230, 55.3233)

Have a look what the booklet for
XYZ(38.6954, 38.8230, 55.3233)
contains.

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Color

**XYZ(38.6954, 38.8230,
55.3233)**

Conversions

Conversions Part 1

Format	Color
Hex	A6A5C0
RGB	166, 165, 192
RGB Percent	65%, 65%, 75%
CMY	0.3490, 0.3529, 0.2471
CMYK	0.14, 0.14, 0.00, 0.25
HSL	242°, 18%, 70%
HSV	242°, 14%, 75%
XYZ	38.6954, 38.8230, 55.3233
YIQ	168.3770, -8.0710, 8.6090

Conversions

Conversions Part 2

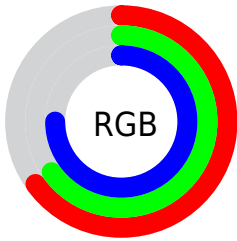
Format	Color
R _Y B	166, 165, 192
Decimal	10921408
CIE Lab	68.62, 5.82, -13.69
CIE LCh	69, 14.878, 293.037
Yxy	38.8230, 0.2913, 0.2923
Android (android.graphics.Color)	4289111488 (0xFFA6A5C0)
YUV	168.3770, 11.6461, -2.0846
Hunter-Lab	62.3081, 1.8152, -9.0279

Details

The XYZ color **38.6954, 38.8230, 55.3233** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **47.1284, 51.4933, 43.0544**, and the grayscale version is **37.3530, 39.2983, 42.7958**.

A 20% lighter version of the original color is **72.3553, 73.3359, 99.1486**, and **17.5048, 17.2517, 26.8334** is the 20% darker color. If you saturate the color by 10%, you get **31.8877, 30.5535, 54.0865**, and if you desaturate by 10%, it is **46.5827, 48.4228, 56.7612**.

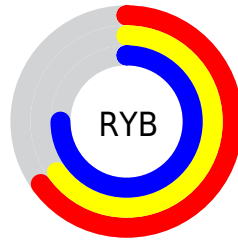
Distribution



Red (65%)

Green (65%)

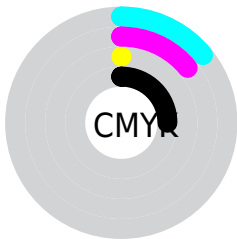
Blue (75%)



Red (65%)

Yellow (65%)

Blue (75%)

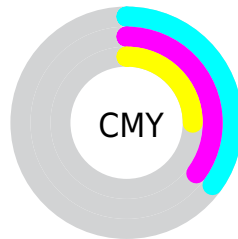


Cyan (14%)

Magenta (14%)

Yellow (0%)

Black (25%)



Cyan (35%)

Magenta (35%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6954, 38.8230, 55.3233 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 38.6954, 38.8230, 55.3233 by changing the saturation by 10% instead.

■ 38.6954, 38.8230,
55.3233

■ 38.6954, 38.8230,
55.3233

331.8232,
341.1374, 424.4527

■ 26.7025, 26.6221,
39.2603

■ 72.4698, 73.3678,
99.4904

■ 17.4854, 17.2896,
26.6529

■ 94.9820, 96.4805,
128.4315

■ 10.6786, 10.4412,
17.0826

121.7314,
123.9993, 162.5024

■ 5.9168, 5.6924,
10.1308

153.0833,
156.3084, 202.1217

■ 2.8348, 2.6590,
5.3790

189.4031,
193.7924, 247.7078

■ 1.0670, 0.9564,
2.4087

231.0561,

■ 0.0000, 0.0000,

236.8357, 299.6793

0.7912

278.4077,
285.8225, 358.4548

■ 0.0000, 0.0000,
0.0000

■ 38.6954, 38.8230,
55.3233

■ 38.6954, 38.8230,
55.3233

■ 31.8877, 30.5535,
54.0865

■ 46.5827, 48.4228,
56.7612

■ 26.1092, 23.5511,
53.0395

■ 55.5899, 59.4028,
58.4058

■ 21.3110, 17.7546,
52.1736

■ 65.7596, 71.8164,
60.2658

■ 17.4386, 13.0961,
51.4785

■ 77.1313, 85.7125,
62.3487

■ 14.4323, 9.5005,
50.9429

■ 86.5145, 96.5858,
63.9529

■ 12.2255, 6.8841,
50.5542

■ 10.7418, 5.1506,
50.2978

■ 9.8898, 4.1839,
50.1561

■ 9.6034, 3.8516,
50.1071

Harmonies

Analogous

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



36.3554, 38.8230, 56.4507



38.6954, 38.8230, 55.3233



40.6268, 38.8230, 50.5337

Triad

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



38.6954, 38.8230, 55.3233



39.6822, 38.8230, 32.7582



32.5972, 38.8230, 40.7234

Complementary

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



38.6954, 38.8230, 55.3233



47.1284, 51.4933, 43.0544

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.



33.4086, 38.8230, 34.9631



38.6954, 38.8230, 55.3233



37.4502, 38.8230, 30.6911

Square

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



38.6954, 38.8230, 55.3233



41.2132, 38.8230, 37.4105



35.1612, 38.8230, 31.4533



32.8990, 38.8230, 47.5367

Rectangle

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



38.6954, 38.8230, 55.3233



41.3896, 38.8230, 46.1577



35.1612, 38.8230, 31.4533



32.7476, 38.8230, 38.6101

Sweetspot

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



38.6966, 38.8246, 55.3242



84.3996, 87.7327, 102.8461



43.6853, 49.1113, 57.0468



17.8586, 18.5196, 22.0187



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



38.6966, 38.8246, 55.3242



65.9445, 65.2773, 99.4844



41.6539, 40.3492, 55.4626



9.5620, 9.7653, 12.6658



6.4765, 2.5992, 33.7170



0.2920, 0.1186, 1.4574

Inverse Universe

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



44.5986, 41.8800, 55.0252



78.7970, 71.9313, 98.8066



43.9108, 49.8345, 42.9038



10.4807, 10.2409, 12.6219



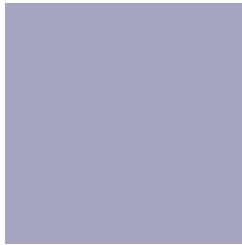
20.5198, 9.8977, 31.7129



0.8917, 0.4297, 1.3971

Previews

White Background



This preview shows how the XYZ color 38.6954, 38.8230, 55.3233 looks on a white background.

Color Contrast Check

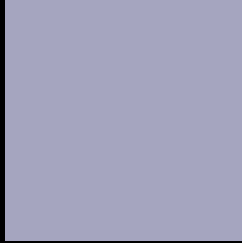
Large Text (above 18pt) WCAG AA × Fail

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 38.6954, 38.8230, 55.3233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

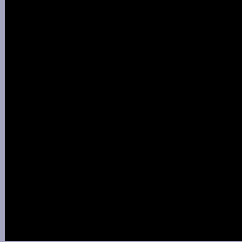
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.6954, 38.8230, 55.3233

Background



This preview shows how black text looks on a background with the XYZ color 38.6954, 38.8230, 55.3233.



This preview shows how white text looks on a background with the XYZ color 38.6954, 38.8230,

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

38.6954, 38.8230, 55.3233

Protanopia

38.3661, 38.9092, 55.9402

Deuteranopia

39.6249, 38.7708, 55.2642



Tritanopia

37.3668, 38.8252, 48.7046

Trichromacy



Original Color

38.6954, 38.8230, 55.3233

Protanomaly

38.5717, 39.0152, 55.9498

Deuteranomaly

39.3675, 38.9027, 55.3033

Tritanomaly

37.8050, 38.7325, 50.8310

Monochromacy



Original Color

38.6954, 38.8230, 55.3233

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.6909, 39.0272, 47.1415

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6954, 38.8230, 55.3233 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(166, 165, 192)` looks like.

```
.text, #text, p{  
    color:rgb(166, 165, 192)  
}
```

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(166, 165, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 165, 192) }
```

Border

The CSS property to change the border of an element to XYZ 38.6954, 38.8230, 55.3233 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(166, 165, 192) }
```


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

```
.border{ border-color:rgb(166, 165, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 165, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 165, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 165, 192);  
box-shadow:4px 4px 4px 4px rgb(166, 165,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6954, 38.8230, 55.3233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 165, 192) }
```

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

```
.background{ background-color: rgb(166,  
165, 192) }
```

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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