

Converting Colors

XYZ(38.6184, 38.9431, 57.4702)

Have a look what the booklet for
XYZ(38.6184, 38.9431, 57.4702)
contains.

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Color

**XYZ(38.7043, 39.0445,
57.7210)**

Conversions

Conversions Part 1

Format	Color
Hex	A3A6C4
RGB	163, 166, 196
RGB Percent	64%, 65%, 77%
CMY	0.3608, 0.3490, 0.2314
CMYK	0.17, 0.15, 0.00, 0.23
HSL	235°, 22%, 70%
HSV	235°, 17%, 77%
XYZ	38.7043, 39.0445, 57.7210
YIQ	168.5230, -11.4180, 8.6940

Conversions

Conversions Part 2

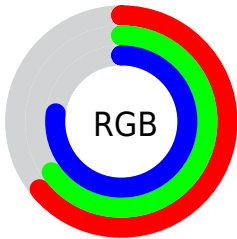
Format	Color
R_{YB}	163, 166, 196
Decimal	10725060
CIE _{Lab}	68.78, 5.16, -15.69
CIE _{LCh}	69, 16.513, 288.201
Yxy	39.0445, 0.2857, 0.2882
Android (android.graphics.Color)	4288915140 (0xFFA3A6C4)
YUV	168.5230, 13.5462, -4.8437
Hunter-Lab	62.4856, 1.2152, -11.0292

Details

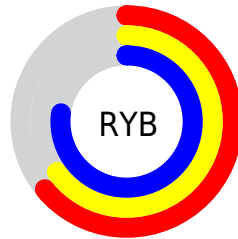
The XYZ color **38.7043, 39.0445, 57.7210** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **48.4461, 52.5200, 42.2353**, and the grayscale version is **37.4170, 39.3656, 42.8691**.

A 20% lighter version of the original color is **72.4995, 73.7102, 103.3349**, and **17.4553, 17.3671, 28.0234** is the 20% darker color. If you saturate the color by 10%, you get **31.9805, 31.0995, 56.5425**, and if you desaturate by 10%, it is **46.5012, 48.2108, 59.0800**.

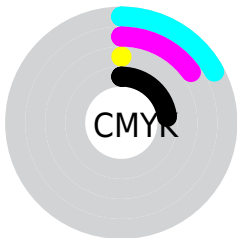
Distribution



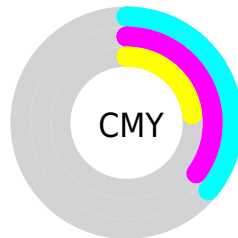
- Red (64%)
- Green (65%)
- Blue (77%)



- Red (64%)
- Yellow (65%)
- Blue (77%)



- Cyan (17%)
- Magenta (15%)
- Yellow (0%)
- Black (23%)



- Cyan (36%)
- Magenta (35%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7043, 39.0445, 57.7210 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 38.7043, 39.0445, 57.7210 by changing the saturation by 10% instead.

■ 38.7043, 39.0445,
57.7210

■ 38.7043, 39.0445,
57.7210

331.8605,
342.0796, 433.7147

■ 26.7095, 26.7943,
41.1712

■ 72.4833, 73.7063,
103.0272

■ 17.4906, 17.4188,
28.1322

■ 94.9982, 96.8867,
132.6207

■ 10.6824, 10.5336,
18.1854

121.7505,
124.4794, 167.3991

■ 5.9194, 5.7541,
10.9124

153.1056,
156.8686, 207.7811

■ 2.8363, 2.6962,
5.8945

189.4288,
194.4389, 254.1851

■ 1.0678, 0.9752,
2.7133

231.0854,

■ 0.0000, 0.0000,

237.5746, 307.0296

0.9501

278.4409,
286.6600, 366.7333

■ 0.0000, 0.0000,
0.0000

■ 38.7043, 39.0445,
57.7210

■ 38.7043, 39.0445,
57.7210

■ 31.9805, 31.0995,
56.5425

■ 46.5012, 48.2108,
59.0800

■ 26.2793, 24.3196,
55.5343

■ 55.4115, 58.6418,
60.6237

■ 21.5516, 18.6513,
54.6894

■ 65.4781, 70.3849,
62.3598

■ 17.7425, 14.0350,
53.9991

■ 76.7403, 83.4836,
64.2945

■ 14.7921, 10.4057,
53.4541

■ 86.9639, 96.7656,
66.3194

■ 12.6330, 7.6909,
53.0439

■ 11.1876, 5.8081,
52.7566

■ 10.3573, 4.6571,
52.5782

■ 10.1775, 4.4127,
52.5405

Harmonies

Analogous

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



36.0914, 39.0445, 58.2332



38.7043, 39.0445, 57.7210



40.9888, 39.0445, 52.8570

Triad

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



38.7043, 39.0445, 57.7210



40.5657, 39.0445, 32.6512



32.4008, 39.0445, 39.6343

Complementary

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



38.7043, 39.0445, 57.7210



48.4461, 52.5200, 42.2353

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.



33.4852, 39.0445, 33.6148



38.7043, 39.0445, 57.7210



38.1488, 39.0445, 29.9116

Square

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



38.7043, 39.0445, 57.7210



42.0978, 39.0445, 38.1694



35.5613, 39.0445, 30.2423



32.5338, 39.0445, 47.1738

Rectangle

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



38.7043, 39.0445, 57.7210



41.9804, 39.0445, 48.0907



35.5613, 39.0445, 30.2423



32.6328, 39.0445, 37.3839

Sweetspot

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



38.7055, 39.0461, 57.7219



86.9272, 90.4883, 107.4922



44.4372, 51.1040, 57.7995



18.3707, 19.0924, 22.9669



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.



38.7055, 39.0461, 57.7219



65.6639, 65.4814, 103.7861



41.0116, 39.4343, 57.6753



9.6004, 9.8920, 12.6882



6.5676, 2.8917, 33.7686



0.3093, 0.1761, 1.4676

Inverse Universe

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



42.7461, 40.6843, 41.6781



74.2968, 69.0313, 69.4961



45.8325, 52.1677, 42.3050



10.1096, 10.0924, 10.6676



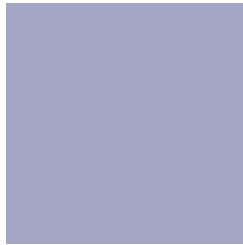
14.7110, 7.5742, 1.1242



0.6485, 0.3324, 0.1166

Previews

White Background



This preview shows how the XYZ color 38.7043, 39.0445, 57.7210 looks on a white background.

Color Contrast Check

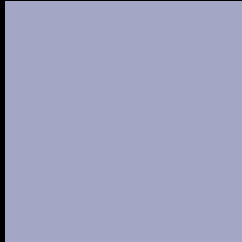
Large Text (above 18pt) WCAG AA × Fail

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 38.7043, 39.0445, 57.7210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

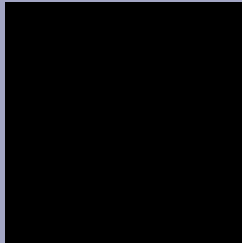
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.7043, 39.0445, 57.7210

Background



This preview shows how black text looks on a background with the XYZ color 38.7043, 39.0445, 57.7210.



This preview shows how white text looks on a background with the XYZ color 38.7043, 39.0445,

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

38.7043, 39.0445, 57.7210

Protanopia

38.5003, 38.9393, 57.7114

Deuteranopia

39.8168, 39.0825, 57.6697



Tritanopia

36.9433, 38.8562, 49.8089

Trichromacy



Original Color

38.7043, 39.0445, 57.7210

Protanomaly

38.5003, 38.9393, 57.7114

Deuteranomaly

39.3553, 39.1113, 57.6995

Tritanomaly

37.4863, 38.8024, 52.5276

Monochromacy



Original Color

38.7043, 39.0445, 57.7210

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

38.0757, 39.4754, 48.2605

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7043, 39.0445, 57.7210 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(163, 166, 196)` looks like.

```
.text, #text, p{  
    color:rgb(163, 166, 196)  
}
```

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(163, 166, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 166, 196) }
```

Border

The CSS property to change the border of an element to XYZ 38.7043, 39.0445, 57.7210 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(163, 166, 196) }
```


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

```
.border{ border-color:rgb(163, 166, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 166, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 166, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 166, 196);  
box-shadow:4px 4px 4px 4px rgb(163, 166,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7043, 39.0445, 57.7210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 166, 196) }
```

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

```
.background{ background-color: rgb(163,  
166, 196) }
```

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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