

Converting Colors

XYZ(38.2348, 38.3302, 55.7845)

Have a look what the booklet for
XYZ(38.2348, 38.3302, 55.7845)
contains.

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Color

**XYZ(38.2109, 38.2937,
55.8296)**

Conversions

Conversions Part 1

Format	Color
Hex	A4A4C1
RGB	164, 164, 193
RGB Percent	64%, 64%, 76%
CMY	0.3569, 0.3568, 0.2431
CMYK	0.15, 0.15, 0.00, 0.24
HSL	240°, 19%, 70%
HSV	240°, 15%, 76%
XYZ	38.2109, 38.2937, 55.8296
YIQ	167.3060, -9.3090, 9.0190

Conversions

Conversions Part 2

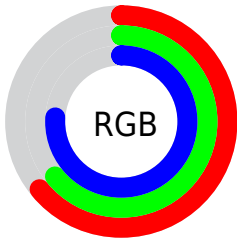
Format	Color
RYB	164, 164, 193
Decimal	10790081
CIELab	68.24, 5.93, -14.84
CIELCh	68, 15.985, 291.792
Yxy	38.2937, 0.2887, 0.2894
Android (android.graphics.Color)	4288980161 (0xFFA4A4C1)
YUV	167.3060, 12.6671, -2.8994
Hunter-Lab	61.8819, 1.9270, -10.1739

Details

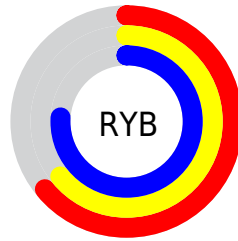
The XYZ color **38.2109, 38.2937, 55.8296** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **47.7633, 52.1574, 42.6727**, and the grayscale version is **36.8241, 38.7418, 42.1898**.

A 20% lighter version of the original color is **71.6438, 72.5627, 99.8525**, and **17.1365, 16.8972, 26.7844** is the 20% darker color. If you saturate the color by 10%, you get **31.3307, 30.0038, 54.5927**, and if you desaturate by 10%, it is **46.2220, 47.9465, 57.2712**.

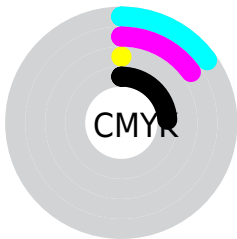
Distribution



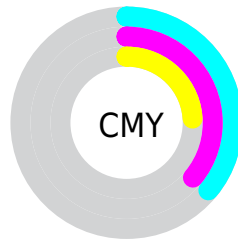
- Red (64%)
- Green (64%)
- Blue (76%)



- Red (64%)
- Yellow (64%)
- Blue (76%)



- Cyan (15%)
- Magenta (15%)
- Yellow (0%)
- Black (24%)



- Cyan (36%)
- Magenta (36%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.2109, 38.2937, 55.8296 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 38.2109, 38.2937, 55.8296 by changing the saturation by 10% instead.

■ 38.2109, 38.2937,
55.8296

■ 38.2109, 38.2937,
55.8296

329.7890,
338.8782, 426.4193

■ 26.3244, 26.2107,
39.6632

■ 71.7331, 72.5581,
100.2387

■ 17.2004, 16.9813,
26.9643

■ 94.0995, 95.5083,
129.3185

■ 10.4737, 10.2212,
17.3142

120.6898,
122.8496, 163.5399

■ 5.7788, 5.5459,
10.2944

151.8696,
154.9666, 203.3214

■ 2.7504, 2.5710,
5.4865

188.0040,
192.2435, 249.0815

■ 1.0232, 0.9121,
2.4717

229.4585,

■ 0.0000, 0.0000,

235.0649, 301.2389

0.8251

276.5984,
283.8149, 360.2119

■ 0.0000, 0.0000,
0.0000

■ 38.2109, 38.2937,
55.8296

■ 38.2109, 38.2937,
55.8296

■ 31.3307, 30.0038,
54.5927

■ 46.2220, 47.9465,
57.2712

■ 25.5271, 23.0110,
53.5489

■ 55.4078, 59.0146,
58.9234

■ 20.7469, 17.2511,
52.6890

■ 65.8145, 71.5536,
60.7951

■ 16.9305, 12.6526,
52.0026

■ 77.4843, 85.6145,
62.8941

■ 14.0127, 9.1367,
51.4777

■ 86.6258, 96.6303,
64.5386

■ 11.9199, 6.6149,
51.1013

■ 10.5669, 4.9846,
50.8579

■ 9.8503, 4.1210,
50.7290

■ 9.6259, 3.8506,
50.6886

Harmonies

Analogous

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



35.7150, 38.2937, 56.8597



38.2109, 38.2937, 55.8296



40.3065, 38.2937, 50.8034

Triad

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



38.2109, 38.2937, 55.8296



39.4520, 38.2937, 31.7861



31.8435, 38.2937, 39.7605

Complementary

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



38.2109, 38.2937, 55.8296



47.7633, 52.1574, 42.6727

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.



32.7489, 38.2937, 33.7466



38.2109, 38.2937, 55.8296



37.0876, 38.2937, 29.4996

Square

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



38.2109, 38.2937, 55.8296



41.0455, 38.2937, 36.7905



34.6415, 38.2937, 30.1739



32.1134, 38.2937, 47.0178

Rectangle

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



38.2109, 38.2937, 55.8296



41.1570, 38.2937, 46.1468



34.6415, 38.2937, 30.1739



32.0189, 38.2937, 37.5397

Sweetspot

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



38.2121, 38.2953, 55.8305



82.7020, 85.7739, 102.5575



43.9523, 49.8619, 57.4783



17.5099, 18.1213, 21.9602



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.



38.2121, 38.2953, 55.8305



64.2064, 63.4885, 99.2308



41.2657, 39.8689, 55.9732



9.5284, 9.7481, 12.6642



6.4023, 2.5612, 33.7135



0.2766, 0.1107, 1.4567

Inverse Universe

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



41.9695, 40.5695, 40.7425



72.2102, 68.3329, 67.0917



44.3580, 50.4027, 42.5135



10.0733, 10.0779, 10.4764



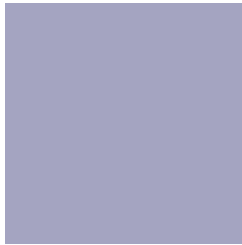
14.6276, 7.5408, 0.6849



0.6320, 0.3258, 0.0297

Previews

White Background



This preview shows how the XYZ color 38.2109, 38.2937, 55.8296 looks on a white background.

Color Contrast Check

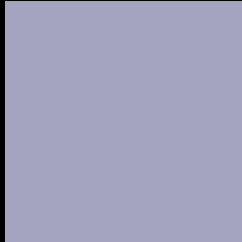
Large Text (above 18pt) WCAG AA × Fail

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 38.2109, 38.2937, 55.8296 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

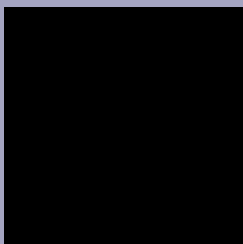
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.2109, 38.2937, 55.8296

Background



This preview shows how black text looks on a background with the XYZ color 38.2109, 38.2937, 55.8296.



This preview shows how white text looks on a background with the XYZ color 38.2109, 38.2937,

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

38.2109, 38.2937, 55.8296

Protanopia

37.8907, 38.3824, 56.4504

Deuteranopia

38.9082, 38.1259, 55.7604



Tritanopia

36.6732, 38.2085, 48.0899

Trichromacy



Original Color

38.2109, 38.2937, 55.8296

Protanomaly

38.0930, 38.4867, 56.4599

Deuteranomaly

38.6592, 38.2601, 55.7995

Tritanomaly

37.2111, 38.1575, 50.7513

Monochromacy



Original Color

38.2109, 38.2937, 55.8296

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

37.1986, 38.5140, 46.5477

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2109, 38.2937, 55.8296 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, 164, 193)` looks like.

```
.text, #text, p{  
    color:rgb(164, 164, 193)  
}
```

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, 164, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 164, 193) }
```

Border

The CSS property to change the border of an element to XYZ 38.2109, 38.2937, 55.8296 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, 164, 193) }
```


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

```
.border{ border-color:rgb(164, 164, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 164, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 164, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 164, 193);  
box-shadow:4px 4px 4px 4px rgb(164, 164,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2109, 38.2937, 55.8296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 164, 193) }
```

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

```
.background{ background-color: rgb(164,  
164, 193) }
```

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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