

Converting Colors

XYZ(38.6808, 42.7587, 55.6496)

Have a look what the booklet for
XYZ(38.6808, 42.7587, 55.6496)
contains.

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Color

**XYZ(38.6609, 42.7741,
55.5088)**

Conversions

Conversions Part 1

Format	Color
Hex	99B3BF
RGB	153, 179, 191
RGB Percent	60%, 70%, 75%
CMY	0.4000, 0.2980, 0.2510
CMYK	0.20, 0.06, 0.00, 0.25
HSL	199°, 23%, 67%
HSV	199°, 20%, 75%
XYZ	38.6609, 42.7741, 55.5088
YIQ	172.5940, -19.3480, -1.7800

Conversions

Conversions Part 2

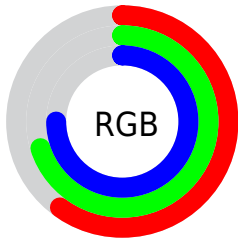
Format	Color
R_{YB}	153, 168, 191
Decimal	10073023
CIE Lab	71.40, -6.26, -9.08
CIE LCh	71, 11.030, 235.393
Yxy	42.7741, 0.2823, 0.3123
Android (android.graphics.Color)	4288263103 (0xFF99B3BF)
YUV	172.5940, 9.0742, -17.1839
Hunter-Lab	65.4019, -8.9370, -4.5401

Details

The XYZ color **38.6609, 42.7741, 55.5088** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.6911, 40.2864, 35.7692**, and the grayscale version is **39.4772, 41.5331, 45.2296**.

A 20% lighter version of the original color is **72.5093, 79.5420, 99.5272**, and **17.4151, 19.5234, 26.8953** is the 20% darker color. If you saturate the color by 10%, you get **34.1584, 38.6989, 54.9602**, and if you desaturate by 10%, it is **43.7959, 47.2561, 56.1040**.

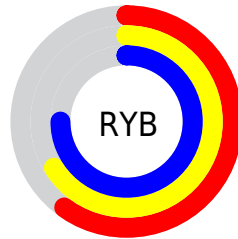
Distribution



Red (60%)

Green (70%)

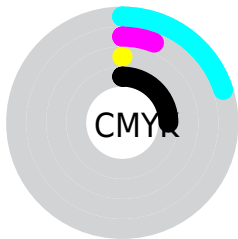
Blue (75%)



Red (60%)

Yellow (66%)

Blue (75%)

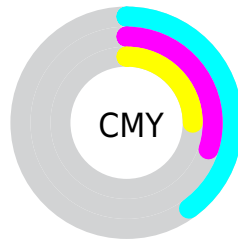


Cyan (20%)

Magenta (6%)

Yellow (0%)

Black (25%)



Cyan (40%)

Magenta (30%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6609, 42.7741, 55.5088 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 38.6609, 42.7741, 55.5088 by changing the saturation by 10% instead.

■ 38.6609, 42.7741,
55.5088

■ 38.6609, 42.7741,
55.5088

331.6787,
357.6819, 425.1739

■ 26.6756, 29.7079,
39.4079

■ 72.4174, 79.3699,
99.7646

■ 17.4650, 19.6170,
26.7669

■ 94.9193, 103.6682,
128.7566

■ 10.6640, 12.1169,
17.1674

121.6574,
132.4794, 162.8828

■ 5.9070, 6.8234,
10.1907

152.9970,
166.1879, 202.5615

■ 2.8287, 3.3519,
5.4183

189.3037,
205.1779, 248.2115

■ 1.0638, 1.3181,
2.4317

230.9426,

■ 0.0000, 0.1551,

249.8340, 300.2512

0.8036

278.2791,
300.5406, 359.0991

■ 0.0000, 0.0000,
0.0000

■ 38.6609, 42.7741,
55.5088

■ 38.6609, 42.7741,
55.5088

■ 34.1584, 38.6989,
54.9602

■ 43.7959, 47.2561,
56.1040

■ 30.2565, 35.0096,
54.4538

■ 49.5857, 52.1540,
56.7442

■ 26.9262, 31.6915,
53.9888

■ 56.0564, 57.4833,
57.4318

■ 24.1344, 28.7264,
53.5637

■ 63.2313, 63.2570,
58.1681

■ 21.8442, 26.0944,
53.1763

■ 71.1326, 69.4875,
58.9542

■ 20.0140, 23.7727,
52.8247

■ 74.9920, 73.7174,
59.5673

■ 18.5946, 21.7351,
52.5062

■ 76.5578, 76.8490,
60.0892

■ 17.4908, 19.9313,
52.2162

■ 78.1808, 80.0950,
60.6302

■ 17.4798, 19.9131,
52.2132

■ 79.8616, 83.4566,
61.1905

Harmonies

Analogous

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



37.5140, 42.7741, 51.0986



38.6609, 42.7741, 55.5088



40.3694, 42.7741, 57.5298

Triad

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



38.6609, 42.7741, 55.5088



44.3199, 42.7741, 47.3999



39.1433, 42.7741, 37.9321

Complementary

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



38.6609, 42.7741, 55.5088



40.6911, 40.2864, 35.7692

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.



40.9430, 42.7741, 37.1052



38.6609, 42.7741, 55.5088



43.9676, 42.7741, 42.3242

Square

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



38.6609, 42.7741, 55.5088



43.6661, 42.7741, 52.6270



42.7175, 42.7741, 38.6529



37.7865, 42.7741, 41.0034

Rectangle

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



38.6609, 42.7741, 55.5088



41.6108, 42.7741, 57.1463



42.7175, 42.7741, 38.6529



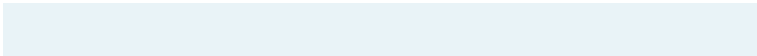
39.7149, 42.7741, 37.3929

Sweetspot

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



38.6622, 42.7759, 55.5098



82.2370, 87.8786, 100.9070



38.5054, 46.7295, 42.3026



17.9107, 19.1718, 22.1418



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.



38.6622, 42.7759, 55.5098



65.4889, 73.2482, 98.9658



35.2167, 35.8848, 54.3613



9.5476, 10.2876, 12.1547



11.5621, 13.2360, 34.3383



0.5091, 0.6309, 1.3638

Inverse Universe

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



41.0148, 37.1144, 47.6519



70.5496, 61.4335, 81.9811



44.2525, 47.4093, 36.9563



9.7983, 9.6436, 11.3267



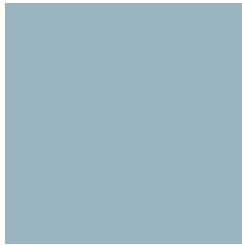
16.8368, 8.3659, 14.9661



0.6879, 0.3391, 0.7357

Previews

White Background



This preview shows how the XYZ color 38.6609, 42.7741, 55.5088 looks on a white background.

Color Contrast Check

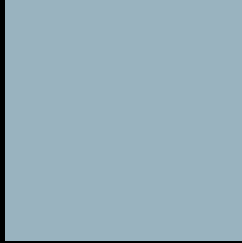
Large Text (above 18pt) WCAG AA × Fail

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 38.6609, 42.7741, 55.5088 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

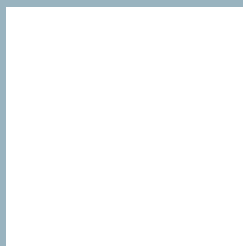
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.6609, 42.7741, 55.5088

Background



This preview shows how black text looks on a background with the XYZ color 38.6609, 42.7741, 55.5088.



This preview shows how white text looks on a background with the XYZ color 38.6609, 42.7741,

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

38.6609, 42.7741, 55.5088

Protanopia

41.4762, 42.5167, 53.5975

Deuteranopia

43.5288, 42.6670, 56.3934



Tritanopia

38.8826, 42.8628, 56.6761

Trichromacy



Original Color

38.6609, 42.7741, 55.5088

Protanomaly

40.2412, 42.4411, 54.2151

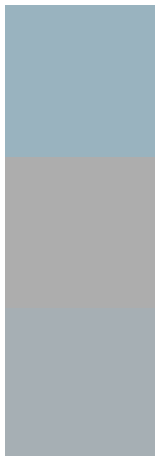
Deuteranomaly

41.4713, 42.4636, 55.8797

Tritanomaly

38.7714, 42.8183, 56.0905

Monochromacy



Original Color

38.6609, 42.7741, 55.5088

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.2941, 42.0622, 49.2278

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6609, 42.7741, 55.5088 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(153, 179, 191)` looks like.

```
.text, #text, p{  
    color:rgb(153, 179, 191)  
}
```

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(153, 179, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 179, 191) }
```

Border

The CSS property to change the border of an element to XYZ 38.6609, 42.7741, 55.5088 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(153, 179, 191) }
```


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

```
.border{ border-color:rgb(153, 179, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 179, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 179, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 179, 191);  
box-shadow:4px 4px 4px 4px rgb(153, 179,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6609, 42.7741, 55.5088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 179, 191) }
```

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

```
.background{ background-color: rgb(153,  
179, 191) }
```

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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