

Converting Colors

XYZ(38.6964, 38.6973, 63.5251)

Have a look what the booklet for
XYZ(38.6964, 38.6973, 63.5251)
contains.

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Color

**XYZ(38.6963, 38.6356,
63.8104)**

Conversions

Conversions Part 1

Format	Color
Hex	9EA5CE
RGB	158, 165, 206
RGB Percent	62%, 65%, 81%
CMY	0.3804, 0.3529, 0.1922
CMYK	0.23, 0.20, 0.00, 0.19
HSL	231°, 33%, 71%
HSV	231°, 23%, 81%
XYZ	38.6963, 38.6356, 63.8104
YIQ	167.5810, -17.3330, 11.2670

Conversions

Conversions Part 2

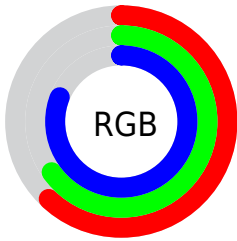
Format	Color
R_{YB}	158, 164, 206
Decimal	10397134
CIE _{Lab}	68.49, 6.41, -21.70
CIE _{LCh}	68, 22.630, 286.462
Yxy	38.6356, 0.2742, 0.2737
Android (android.graphics.Color)	4288587214 (0xFF9EA5CE)
YUV	167.5810, 18.9406, -8.4025
Hunter-Lab	62.1575, 2.3498, -17.3563

Details

The XYZ color **38.6963, 38.6356, 63.8104** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **52.0491, 56.4376, 40.4992**, and the grayscale version is **36.9315, 38.8548, 42.3129**.

A 20% lighter version of the original color is **71.0838, 72.5525, 104.8653**, and **17.5165, 17.1414, 32.0912** is the 20% darker color. If you saturate the color by 10%, you get **32.0206, 30.8033, 62.6511**, and if you desaturate by 10%, it is **46.4903, 47.6945, 65.1488**.

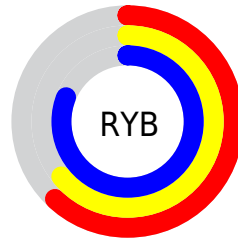
Distribution



Red (62%)

Green (65%)

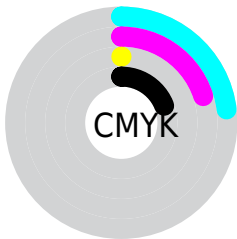
Blue (81%)



Red (62%)

Yellow (64%)

Blue (81%)

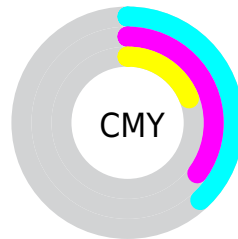


Cyan (23%)

Magenta (20%)

Yellow (0%)

Black (19%)



Cyan (38%)

Magenta (35%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6963, 38.6356, 63.8104 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 38.6963, 38.6356, 63.8104 by changing the saturation by 10% instead.

■ 38.6963, 38.6356,
63.8104

■ 38.6963, 38.6356,
63.8104

331.8270,
340.3387, 456.6933

■ 26.7032, 26.4764,
46.0519

■ 72.4712, 73.0813,
111.9347

■ 17.4859, 17.1804,
31.9378

■ 94.9837, 96.1366,
143.1376

■ 10.6790, 10.3632,
21.0496

121.7334,
123.5926, 179.6590

■ 5.9171, 5.6404,
12.9687

153.0856,
155.8339, 221.9175

■ 2.8349, 2.6277,
7.2765

189.4057,
193.2447, 270.3317

■ 1.0671, 0.9406,
3.5546

231.0591,

■ 0.0000, 0.0000,

236.2096, 325.3200

1.3843

278.4111,
285.1128, 387.3010

■ 0.0000, 0.0000,
0.1294

■ 0.0000, 0.0000,
0.0000

■ 38.6963, 38.6356,
63.8104

■ 38.6963, 38.6356,
63.8104

■ 32.0206, 30.8033,
62.6511

■ 46.4903, 47.6945,
65.1488

■ 26.4080, 24.1399,
61.6608

■ 55.4471, 58.0248,
66.6707

■ 21.8040, 18.5904,
60.8322

■ 65.6132, 69.6751,
68.3836

■ 18.1479, 14.0929,
60.1569

■ 77.0317, 82.6897,
70.2939

■ 15.3721, 10.5800,
59.6251

■ 87.4999, 95.9548,
72.3025

■ 13.3999, 7.9756,
59.2263

■ 88.1407, 97.2363,
72.5161

■ 12.1409, 6.1923,
58.9485

■ 11.6061, 5.3872,
58.8213

Harmonies

Analogous

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



35.1426, 38.6356, 64.1528



38.6963, 38.6356, 63.8104



41.9116, 38.6356, 57.0698

Triad

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



38.6963, 38.6356, 63.8104



41.6424, 38.6356, 29.3954



30.4603, 38.6356, 37.6428

Complementary

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



38.6963, 38.6356, 63.8104



52.0491, 56.4376, 40.4992

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.



31.9795, 38.6356, 29.9559



38.6963, 38.6356, 63.8104



38.3480, 38.6356, 25.7403

Square

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



38.6963, 38.6356, 63.8104



43.6863, 38.6356, 36.7527



34.8160, 38.6356, 25.9274



30.5402, 38.6356, 47.8717

Rectangle

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



38.6963, 38.6356, 63.8104



43.3626, 38.6356, 50.3933



34.8160, 38.6356, 25.9274



30.7965, 38.6356, 34.7135

Sweetspot

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



38.6975, 38.6372, 63.8113



84.1127, 87.4255, 107.0493



46.4584, 55.5267, 62.1810



17.8115, 18.4913, 22.8804



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.



38.6975, 38.6372, 63.8113



57.0164, 55.9508, 102.4022



41.0028, 38.0020, 63.5672



10.7316, 11.1036, 14.1480



7.1903, 3.4045, 36.2344



0.4145, 0.2627, 1.8838

Inverse Universe

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



44.4730, 40.2933, 41.0324



68.0367, 59.2707, 58.9016



49.2796, 57.4564, 40.8418



11.2779, 11.2399, 11.9980



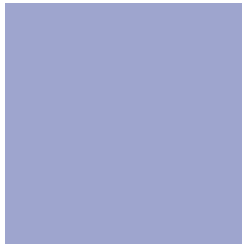
15.8402, 8.1467, 1.6113



0.8391, 0.4291, 0.1988

Previews

White Background



This preview shows how the XYZ color 38.6963, 38.6356, 63.8104 looks on a white background.

Color Contrast Check

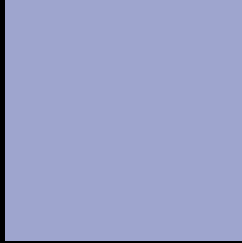
Large Text (above 18pt) WCAG AA × Fail

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 38.6963, 38.6356, 63.8104 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

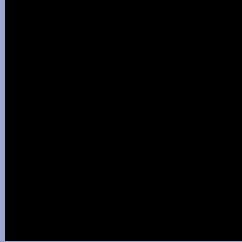
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.6963, 38.6356, 63.8104

Background



This preview shows how black text looks on a background with the XYZ color 38.6963, 38.6356, 63.8104.



This preview shows how white text looks on a background with the XYZ color 38.6963, 38.6356,

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

38.6963, 38.6356, 63.8104

Protanopia

38.5003, 38.5346, 63.8013

Deuteranopia

39.3420, 38.4371, 63.7381



Tritanopia

35.8721, 38.5671, 50.3533

Trichromacy



Original Color

38.6963, 38.6356, 63.8104

Protanomaly

38.5003, 38.5346, 63.8013

Deuteranomaly

39.1140, 38.5842, 63.7785

Tritanomaly

36.9242, 38.7354, 54.8208

Monochromacy



Original Color

38.6963, 38.6356, 63.8104

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.5721, 38.9073, 49.7856

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6963, 38.6356, 63.8104 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(158, 165, 206)` looks like.

```
.text, #text, p{  
    color:rgb(158, 165, 206)  
}
```

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(158, 165, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 165, 206) }
```

Border

The CSS property to change the border of an element to XYZ 38.6963, 38.6356, 63.8104 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(158, 165, 206) }
```


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

```
.border{ border-color:rgb(158, 165, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 165, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 165, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 165, 206);  
box-shadow:4px 4px 4px 4px rgb(158, 165,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6963, 38.6356, 63.8104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 165, 206) }
```

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

```
.background{ background-color: rgb(158,  
165, 206) }
```

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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