

Converting Colors

XYZ(38.8367, 38.1979, 65.0627)

Have a look what the booklet for
XYZ(38.8367, 38.1979, 65.0627)
contains.

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Color

**XYZ(38.7804, 38.1194,
64.9883)**

Conversions

Conversions Part 1

Format	Color
Hex	9FA3D0
RGB	159, 163, 208
RGB Percent	62%, 64%, 82%
CMY	0.3765, 0.3608, 0.1843
CMYK	0.24, 0.22, 0.00, 0.18
HSL	235°, 34%, 72%
HSV	235°, 24%, 82%
XYZ	38.7804, 38.1194, 64.9883
YIQ	166.9340, -16.8290, 13.1470

Conversions

Conversions Part 2

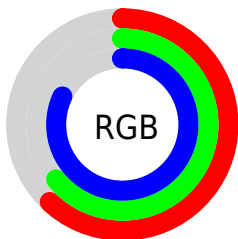
Format	Color
R_{YB}	159, 163, 208
Decimal	10462160
CIE _{Lab}	68.11, 8.31, -23.38
CIE _{LCh}	68, 24.811, 289.569
Yxy	38.1194, 0.2733, 0.2687
Android (android.graphics.Color)	4288652240 (0xFF9FA3D0)
YUV	166.9340, 20.2455, -6.9581
Hunter-Lab	61.7409, 4.0720, -19.1898

Details

The XYZ color **38.7804, 38.1194, 64.9883** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **53.8636, 59.0988, 41.3702**, and the grayscale version is **36.6099, 38.5165, 41.9444**.

A 20% lighter version of the original color is **70.8530, 71.6589, 104.7049**, and **17.4976, 16.7946, 32.4564** is the 20% darker color. If you saturate the color by 10%, you get **31.8584, 29.8915, 63.7656**, and if you desaturate by 10%, it is **46.9111, 47.7327, 66.4159**.

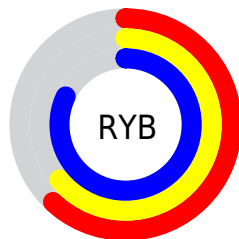
Distribution



Red (62%)

Green (64%)

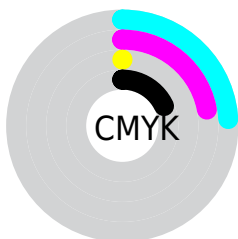
Blue (82%)



Red (62%)

Yellow (64%)

Blue (82%)

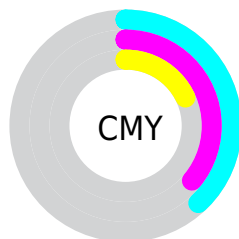


Cyan (24%)

Magenta (22%)

Yellow (0%)

Black (18%)



Cyan (38%)

Magenta (36%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7804, 38.1194, 64.9883 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 38.7804, 38.1194, 64.9883 by changing the saturation by 10% instead.

■ 38.7804, 38.1194,
64.9883

■ 38.7804, 38.1194,
64.9883

332.1792,
338.1319, 461.0550

■ 26.7689, 26.0754,
47.0003

■ 72.5989, 72.2911,
113.6462

■ 17.5354, 16.8800,
32.6815

■ 95.1367, 95.1876,
145.1531

■ 10.7146, 10.1490,
21.6135

121.9139,
122.4703, 182.0034

■ 5.9412, 5.4979,
13.3776

153.2959,
154.5237, 224.6157

■ 2.8496, 2.5422,
7.5553

189.6481,
191.7322, 273.4085

■ 1.0748, 0.8977,
3.7281

231.3358,

■ 0.0038, 0.0000,

234.4801, 328.8002

1.4774

278.7244,
283.1519, 391.2096

■ 0.0000, 0.0000,
0.2010

■ 0.0000, 0.0000,
0.0000

■ 38.7804, 38.1194,
64.9883

■ 38.7804, 38.1194,
64.9883

■ 31.8584, 29.8915,
63.7656

■ 46.9111, 47.7327,
66.4159

■ 26.0839, 22.9807,
62.7361

■ 56.3007, 58.7862,
68.0546

■ 21.3958, 17.3199,
61.8905

■ 67.0009, 71.3378,
69.9133

■ 17.7258, 12.8339,
61.2181

■ 79.0593, 85.4403,
71.9999

■ 14.9977, 9.4400,
60.7067

■ 88.3853, 97.3341,
73.8041

■ 13.1248, 7.0440,
60.3430

■ 12.0038, 5.5359,
60.1110

■ 11.5855, 4.9546,
60.0208

Harmonies

Analogous

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



34.9012, 38.1194, 66.1801



38.7804, 38.1194, 64.9883



42.1936, 38.1194, 56.9112

Triad

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



38.7804, 38.1194, 64.9883



41.2728, 38.1194, 27.3097



29.3970, 38.1194, 37.7668

Complementary

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



38.7804, 38.1194, 64.9883



53.8636, 59.0988, 41.3702

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.



30.8590, 38.1194, 29.1659



38.7804, 38.1194, 64.9883



37.5948, 38.1194, 23.8817

Square

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



38.7804, 38.1194, 64.9883



43.7019, 38.1194, 34.7711



33.7965, 38.1194, 24.4946



29.6647, 38.1194, 49.0577

Rectangle

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



38.7804, 38.1194, 64.9883



43.6586, 38.1194, 49.3951



33.7965, 38.1194, 24.4946



29.6982, 38.1194, 34.5043

Sweetspot

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



38.7816, 38.1209, 64.9892



83.7769, 86.7539, 106.9374



47.7438, 56.8390, 65.5297



17.7340, 18.3363, 22.8545



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.



38.7816, 38.1209, 64.9892



56.0119, 53.9418, 102.0674



42.4710, 38.9848, 64.9615



11.2402, 11.5706, 14.8846



7.2495, 3.1456, 37.4176



0.4329, 0.2310, 2.1013

Inverse Universe

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



45.0224, 40.8515, 40.1642



67.5297, 59.0679, 56.2317



49.4512, 58.2542, 41.4397



11.8474, 11.8237, 12.4720



16.2899, 8.3888, 1.1670



0.9247, 0.4746, 0.1385

Previews

White Background



This preview shows how the XYZ color 38.7804, 38.1194, 64.9883 looks on a white background.

Color Contrast Check

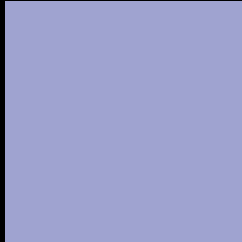
Large Text (above 18pt) WCAG AA × Fail

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 38.7804, 38.1194, 64.9883 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

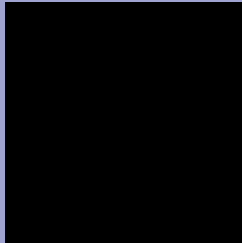
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.7804, 38.1194, 64.9883

Background



This preview shows how black text looks on a background with the XYZ color 38.7804, 38.1194, 64.9883.



This preview shows how white text looks on a background with the XYZ color 38.7804, 38.1194,

64.9883.

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

38.7804, 38.1194, 64.9883

Protanopia

38.3017, 38.1229, 65.6613

Deuteranopia

38.9796, 38.2220, 64.9977



Tritanopia

35.6695, 38.2115, 49.2116

Trichromacy



Original Color

38.7804, 38.1194, 64.9883

Protanomaly

38.4944, 38.2223, 65.6704

Deuteranomaly

38.9796, 38.2220, 64.9977

Tritanomaly

36.7505, 38.1019, 54.7077

Monochromacy



Original Color

38.7804, 38.1194, 64.9883

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

37.3896, 38.5423, 49.7247

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7804, 38.1194, 64.9883 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(159, 163, 208)` looks like.

```
.text, #text, p{  
    color:rgb(159, 163, 208)  
}
```

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(159, 163, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 163, 208) }
```

Border

The CSS property to change the border of an element to XYZ 38.7804, 38.1194, 64.9883 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(159, 163, 208) }
```


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

```
.border{ border-color:rgb(159, 163, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 163, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 163, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 163, 208);  
box-shadow:4px 4px 4px 4px rgb(159, 163,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7804, 38.1194, 64.9883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 163, 208) }
```

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

```
.background{ background-color: rgb(159,  
163, 208) }
```

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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