

Converting Colors

XYZ(38.6022, 38.4867, 68.3449)

Have a look what the booklet for
XYZ(38.6022, 38.4867, 68.3449)
contains.

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Color

**XYZ(38.6022, 38.4867,
68.3449)**

Conversions

Conversions Part 1

Format	Color
Hex	99A5D5
RGB	153, 165, 213
RGB Percent	60%, 65%, 84%
CMY	0.4000, 0.3529, 0.1647
CMYK	0.28, 0.23, 0.00, 0.16
HSL	228°, 42%, 72%
HSV	228°, 28%, 84%
XYZ	38.6022, 38.4867, 68.3449
YIQ	166.8840, -22.5600, 12.3840

Conversions

Conversions Part 2

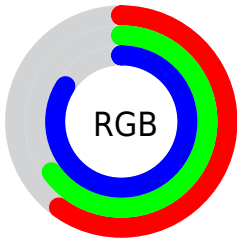
Format	Color
R_{YB}	153, 163, 213
Decimal	10069461
CIE _{Lab}	68.38, 6.58, -25.76
CIE _{LCh}	68, 26.591, 284.328
Yxy	38.4867, 0.2654, 0.2646
Android (android.graphics.Color)	4288259541 (0xFF99A5D5)
YUV	166.8840, 22.7352, -12.1763
Hunter-Lab	62.0376, 2.5036, -21.8915

Details

The XYZ color **38.6022, 38.4867, 68.3449** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **54.0774, 58.2195, 38.5253**, and the grayscale version is **36.5759, 38.4807, 41.9055**.

A 20% lighter version of the original color is **69.6556, 71.8163, 104.7984**, and **17.3322, 16.9882, 34.7133** is the 20% darker color. If you saturate the color by 10%, you get **32.0638, 30.8542, 67.2170**, and if you desaturate by 10%, it is **46.2702, 47.3112, 69.6447**.

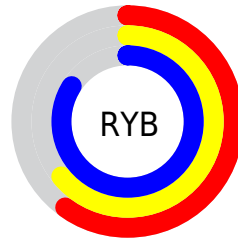
Distribution



Red (60%)

Green (65%)

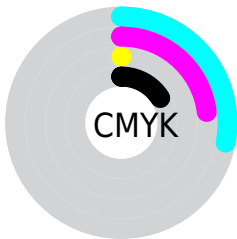
Blue (84%)



Red (60%)

Yellow (64%)

Blue (84%)

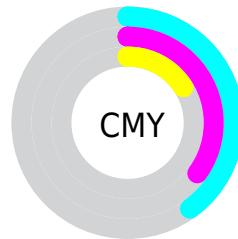


Cyan (28%)

Magenta (23%)

Yellow (0%)

Black (16%)



Cyan (40%)

Magenta (35%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6022, 38.4867, 68.3449 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 38.6022, 38.4867, 68.3449 by changing the saturation by 10% instead.

■ 38.6022, 38.4867,
68.3449

■ 38.6022, 38.4867,
68.3449

331.4326,
339.7032, 473.3482

■ 26.6297, 26.3606,
49.7099

■ 72.3282, 72.8535,
118.5043

■ 17.4305, 17.0936,
34.8134

■ 94.8124, 95.8631,
150.8658

■ 10.6391, 10.3013,
23.2368

121.5313,
123.2692, 188.6399

■ 5.8902, 5.5992,
14.5615

152.8502,
155.4564, 232.2451

■ 2.8185, 2.6029,
8.3690

189.1344,
192.8090, 282.1000

■ 1.0585, 0.9281,
4.2408

230.7493,

■ 0.0000, 0.0000,

235.7114, 338.6232

1.7584

278.0602,
284.5480, 402.2331

■ 0.0000, 0.0000,
0.4003

■ 0.0000, 0.0000,
0.0000

■ 38.6022, 38.4867,
68.3449

■ 38.6022, 38.4867,
68.3449

■ 32.0638, 30.8542,
67.2170

■ 46.2702, 47.3112,
69.6447

■ 26.5971, 24.3573,
66.2510

■ 55.1145, 57.3716,
71.1204

■ 22.1443, 18.9417,
65.4404

■ 65.1839, 68.7153,
72.7793

■ 18.6409, 14.5468,
64.7768

■ 76.5231, 81.3859,
74.6273

■ 16.0143, 11.1056,
64.2510

■ 87.4986, 94.5606,
76.5918

■ 14.1808, 8.5426,
63.8529

■ 89.0104, 97.5841,
77.0957

■ 13.0256, 6.7620,
63.5701

■ 12.8600, 6.5033,
63.5289

Harmonies

Analogous

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



34.4556, 38.4867, 68.1518



38.6022, 38.4867, 68.3449



42.4783, 38.4867, 60.5862

Triad

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



38.6022, 38.4867, 68.3449



42.6255, 38.4867, 27.8123



29.3863, 38.4867, 35.9997

Complementary

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



38.6022, 38.4867, 68.3449



54.0774, 58.2195, 38.5253

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.



31.2555, 38.4867, 27.5233



38.6022, 38.4867, 68.3449



38.7909, 38.4867, 23.4463

Square

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



38.6022, 38.4867, 68.3449



44.9180, 38.4867, 36.4722



34.6306, 38.4867, 23.3517



29.3442, 38.4867, 47.8532

Rectangle

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



38.6022, 38.4867, 68.3449



44.2989, 38.4867, 52.6693



34.6306, 38.4867, 23.3517



29.8150, 38.4867, 32.7182

Sweetspot

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



38.6035, 38.4882, 68.3458



82.9521, 86.3602, 106.9049



47.3573, 58.5317, 63.4461



17.2972, 17.9660, 22.8061



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.



38.6035, 38.4882, 68.3458



51.7460, 50.5450, 101.6366



39.9800, 36.1337, 67.8188



11.9418, 12.4070, 15.7029



7.9134, 4.0886, 38.8252



0.5366, 0.3652, 2.3615

Inverse Universe

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



45.6243, 39.6463, 40.8468



64.1230, 52.9061, 53.0874



52.3098, 61.6249, 39.2758



12.5238, 12.4610, 13.4326



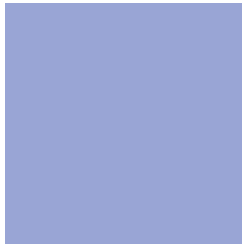
17.0532, 8.7576, 2.3182



1.0585, 0.5402, 0.2975

Previews

White Background



This preview shows how the XYZ color 38.6022, 38.4867, 68.3449 looks on a white background.

Color Contrast Check

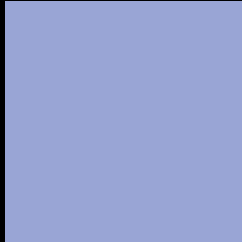
Large Text (above 18pt) WCAG AA × Fail

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 38.6022, 38.4867, 68.3449 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

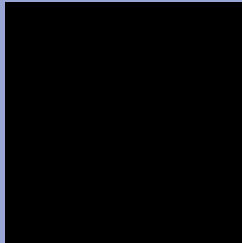
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.6022, 38.4867, 68.3449

Background



This preview shows how black text looks on a background with the XYZ color 38.6022, 38.4867, 68.3449.



This preview shows how white text looks on a background with the XYZ color 38.6022, 38.4867,

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

38.6022, 38.4867, 68.3449

Protanopia

38.7918, 38.5844, 68.3538

Deuteranopia

39.2080, 38.2676, 68.2707



Tritanopia

35.0591, 38.4132, 50.9141

Trichromacy



Original Color

38.6022, 38.4867, 68.3449

Protanomaly

38.7918, 38.5844, 68.3538

Deuteranomaly

38.9960, 38.4229, 68.3118

Tritanomaly

36.2474, 38.3350, 57.1187

Monochromacy



Original Color

38.6022, 38.4867, 68.3449

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

37.1882, 38.4145, 50.8021

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6022, 38.4867, 68.3449 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, 165, 213)` looks like.

```
.text, #text, p{  
    color:rgb(153, 165, 213)  
}
```

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, 165, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 165, 213) }
```

Border

The CSS property to change the border of an element to XYZ 38.6022, 38.4867, 68.3449 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, 165, 213) }
```


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

```
.border{ border-color:rgb(153, 165, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 165, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 165, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 165, 213);  
box-shadow:4px 4px 4px 4px rgb(153, 165,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6022, 38.4867, 68.3449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 165, 213) }
```

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

```
.background{ background-color: rgb(153,  
165, 213) }
```

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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