

Converting Colors

XYZ(38.8120, 39.4373, 66.9554)

Have a look what the booklet for
XYZ(38.8120, 39.4373, 66.9554)
contains.

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Color

**XYZ(38.8974, 39.4807,
67.1984)**

Conversions

Conversions Part 1

Format	Color
Hex	99A8D3
RGB	153, 168, 211
RGB Percent	60%, 66%, 83%
CMY	0.4000, 0.3412, 0.1725
CMYK	0.27, 0.20, 0.00, 0.17
HSL	224°, 40%, 71%
HSV	224°, 27%, 83%
XYZ	38.8974, 39.4807, 67.1984
YIQ	168.4170, -22.7430, 10.1930

Conversions

Conversions Part 2

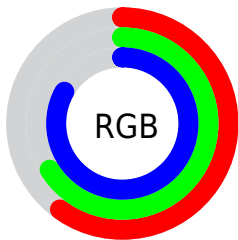
Format	Color
R _Y B	153, 165, 211
Decimal	10070227
CIE Lab	69.10, 4.42, -23.56
CIE LCh	69, 23.970, 280.620
Yxy	39.4807, 0.2672, 0.2712
Android (android.graphics.Color)	4288260307 (0xFF99A8D3)
YUV	168.4170, 20.9934, -13.5207
Hunter-Lab	62.8337, 0.5421, -19.4250

Details

The XYZ color **38.8974, 39.4807, 67.1984** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **52.3543, 55.6292, 38.1164**, and the grayscale version is **37.3334, 39.2776, 42.7733**.

A 20% lighter version of the original color is **70.4501, 73.4052, 105.0633**, and **17.6130, 17.6578, 33.9325** is the 20% darker color. If you saturate the color by 10%, you get **32.5454, 32.1745, 66.1236**, and if you desaturate by 10%, it is **46.3036, 47.8479, 68.4237**.

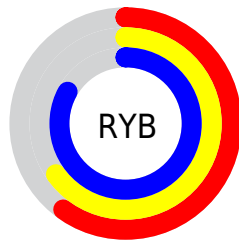
Distribution



Red (60%)

Green (66%)

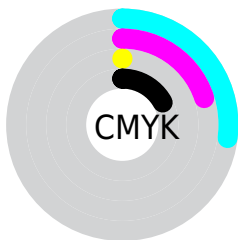
Blue (83%)



Red (60%)

Yellow (65%)

Blue (83%)

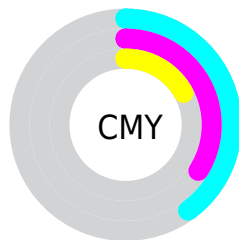


Cyan (27%)

Magenta (20%)

Yellow (0%)

Black (17%)



Cyan (40%)

Magenta (34%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8974, 39.4807, 67.1984 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 38.8974, 39.4807, 67.1984 by changing the saturation by 10% instead.

■ 38.8974, 39.4807,
67.1984

■ 38.8974, 39.4807,
67.1984

332.6688,
343.9299, 469.1714

■ 26.8603, 27.1339,
48.7833

■ 72.7766, 74.3721,
116.8480

■ 17.6044, 17.6738,
34.0832

■ 95.3495, 97.6855,
148.9195

■ 10.7643, 10.7160,
22.6796

122.1649,
125.4231, 186.3803

■ 5.9747, 5.8762,
14.1541

153.5883,
157.9695, 229.6488

■ 2.8702, 2.7700,
8.0879

189.9850,
195.7090, 279.1437

■ 1.0855, 1.0129,
4.0627

231.7205,

■ 0.0129, 0.0000,

239.0259, 335.2833

1.6598

279.1599,
288.3048, 398.4864

■ 0.0000, 0.0000,
0.3330

■ 0.0000, 0.0000,
0.0000

■ 38.8974, 39.4807,
67.1984

■ 38.8974, 39.4807,
67.1984

■ 32.5454, 32.1745,
66.1236

■ 46.3036, 47.8479,
68.4237

■ 27.1943, 25.8810,
65.1909

■ 54.8062, 57.3124,
69.8024

■ 22.7920, 20.5549,
64.3949

■ 64.4497, 67.9146,
71.3406

■ 19.2798, 16.1452,
63.7288

■ 75.2750, 79.6913,
73.0432

■ 16.5920, 12.5963,
63.1855

■ 86.0200, 92.0073,
74.8541

■ 14.6529, 9.8452,
62.7567

■ 88.7580, 97.4832,
75.7667

■ 13.3629, 7.8145,
62.4327

■ 13.1039, 7.3951,
62.3654

Harmonies

Analogous

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



35.1367, 39.4807, 66.0828



38.8974, 39.4807, 67.1984



42.5213, 39.4807, 61.0447

Triad

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



38.8974, 39.4807, 67.1984



43.3907, 39.4807, 30.6784



31.0045, 39.4807, 36.3688

Complementary

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



38.8974, 39.4807, 67.1984



52.3543, 55.6292, 38.1164

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.



32.9367, 39.4807, 28.8969



38.8974, 39.4807, 67.1984



40.0196, 39.4807, 26.0186

Square

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



38.8974, 39.4807, 67.1984



45.2301, 39.4807, 39.2206



36.1857, 39.4807, 25.4272



30.7492, 39.4807, 46.9887

Rectangle

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



38.8974, 39.4807, 67.1984



44.3075, 39.4807, 54.1745



36.1857, 39.4807, 25.4272



31.4729, 39.4807, 33.4579

Sweetspot

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



38.8987, 39.4823, 67.1993



83.3027, 87.0614, 107.0218



46.3429, 57.3260, 60.5699



17.3849, 18.1414, 22.8353



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.



38.8987, 39.4823, 67.1993



53.7967, 53.8306, 102.1627



38.9882, 35.6517, 66.4552



11.4087, 11.9077, 14.9408



7.9791, 4.6048, 37.6608



0.5114, 0.3879, 2.1275

Inverse Universe

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



45.3242, 39.4598, 42.2750



65.3572, 54.1622, 57.2363



52.1933, 60.8226, 39.1274



11.9324, 11.8577, 12.9201



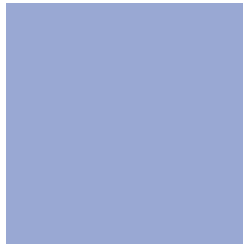
16.6582, 8.5361, 3.1063



0.9643, 0.4905, 0.3470

Previews

White Background



This preview shows how the XYZ color 38.8974, 39.4807, 67.1984 looks on a white background.

Color Contrast Check

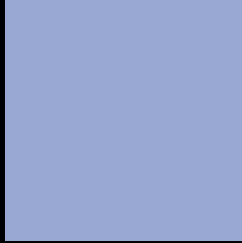
Large Text (above 18pt) WCAG AA × Fail

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 38.8974, 39.4807, 67.1984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

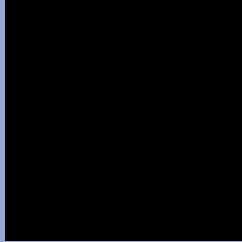
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.8974, 39.4807, 67.1984

Background



This preview shows how black text looks on a background with the XYZ color 38.8974, 39.4807, 67.1984.



This preview shows how white text looks on a background with the XYZ color 38.8974, 39.4807,

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

38.8974, 39.4807, 67.1984

Protanopia

39.5521, 39.5597, 66.5239

Deuteranopia

40.2391, 39.3451, 67.7609



Tritanopia

35.8282, 39.3461, 52.1606

Trichromacy



Original Color

38.8974, 39.4807, 67.1984

Protanomaly

39.1619, 39.3585, 66.5057

Deuteranomaly

39.8180, 39.3968, 67.7931

Tritanomaly

36.9909, 39.5500, 57.3140

Monochromacy



Original Color

38.8974, 39.4807, 67.1984

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.7586, 39.2525, 50.9338

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8974, 39.4807, 67.1984 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, 168, 211)` looks like.

```
.text, #text, p{  
    color:rgb(153, 168, 211)  
}
```

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, 168, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 168, 211) }
```

Border

The CSS property to change the border of an element to XYZ 38.8974, 39.4807, 67.1984 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, 168, 211) }
```


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

```
.border{ border-color:rgb(153, 168, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 168, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 168, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 168, 211);  
box-shadow:4px 4px 4px 4px rgb(153, 168,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8974, 39.4807, 67.1984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 168, 211) }
```

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

```
.background{ background-color: rgb(153,  
168, 211) }
```

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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