

Converting Colors

XYZ(41.2570, 38.7120,
101.6273)

Have a look what the booklet for
XYZ(41.2570, 38.7120, 101.6273)
contains.

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Color

**XYZ(40.8201, 38.4009,
99.8684)**

Conversions

Conversions Part 1

Format	Color
Hex	85A3FF
RGB	133, 163, 255
RGB Percent	52%, 64%, 100%
CMY	0.4784, 0.3608, 0.0000
CMYK	0.48, 0.36, 0.00, 0.00
HSL	225°, 100%, 76%
HSV	225°, 48%, 100%
XYZ	40.8201, 38.4009, 99.8684
YIQ	164.5180, -47.4120, 22.2520

Conversions

Conversions Part 2

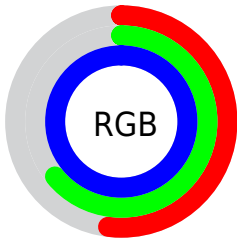
Format	Color
RYB	133, 157, 255
Decimal	8758271
CIELab	68.32, 13.81, -48.95
CIELCh	68, 50.861, 285.756
Yxy	38.4009, 0.2279, 0.2144
Android (android.graphics.Color)	4286948351 (0xFF85A3FF)
YUV	164.5180, 44.6076, -27.6413
Hunter-Lab	61.9685, 9.1374, -52.1739

Details

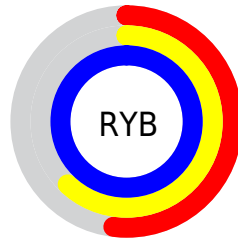
The XYZ color **40.8201, 38.4009, 99.8684** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **72.4003, 76.8061, 33.2016**, and the grayscale version is **35.3447, 37.1854, 40.4949**.

A 20% lighter version of the original color is **64.6073, 68.4392, 104.4127**, and **18.8113, 17.1214, 55.7394** is the 20% darker color. If you saturate the color by 10%, you get **34.1132, 30.2548, 98.6495**, and if you desaturate by 10%, it is **49.0258, 48.0916, 101.3064**.

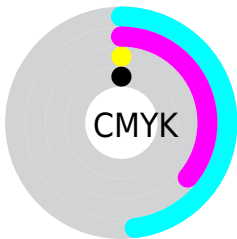
Distribution



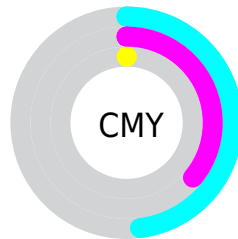
- Red (52%)
- Green (64%)
- Blue (100%)



- Red (52%)
- Yellow (62%)
- Blue (100%)



- Cyan (48%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)



- Cyan (48%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8201, 38.4009, 99.8684 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 40.8201, 38.4009, 99.8684 by changing the saturation by 10% instead.

■ 40.8201, 38.4009,
99.8684

■ 40.8201, 38.4009,
99.8684

340.6436,
339.3366, 581.0137

■ 28.3656, 26.2940,
75.5744

■ 75.6872, 72.7222,
163.0266

■ 18.7433, 17.0437,
55.5790

■ 98.8304, 95.7054,
202.7279

■ 11.5878, 10.2657,
39.4637

■ 126.2673,
123.0828, 248.4020

■ 6.5339, 5.5754,
26.8101

158.3632,
155.2387, 300.4674

■ 3.2161, 2.5887,
17.1995

195.4834,
192.5577, 359.3428

■ 1.2690, 0.9210,
10.2133

237.9933,

■ 0.1599, 0.0000,

235.4241, 425.4466

5.4332

286.2582,
284.2223, 499.1974

■ 0.0000, 0.0000,
2.4405

■ 0.0000, 0.0000,
0.8084

■ 40.8201, 38.4009,
99.8684

■ 40.8201, 38.4009,
99.8684

■ 34.1132, 30.2548,
98.6495

■ 49.0258, 48.0916,
101.3064

■ 28.8060, 23.5657,
97.6381

■ 58.8132, 59.4002,
102.9733

■ 24.7927, 18.2423,
96.8221

■ 70.2632, 72.3998,
104.8790

■ 21.9496, 14.1801,
96.1879

■ 83.4501, 87.1576,
107.0325

■ 20.1173, 11.2523,
95.7194

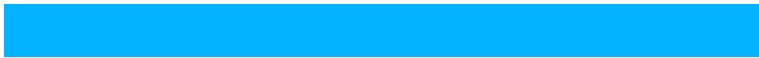
95.0500, 100.0000,
108.9000

■ 19.8109, 10.7419,
95.6370

Harmonies

Analogous

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



32.8568, 38.4009, 100.4049



40.8201, 38.4009, 99.8684



48.6139, 38.4009, 80.5153

Triad

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



40.8201, 38.4009, 99.8684



48.2686, 38.4009, 17.5944



23.5697, 38.4009, 31.9166

Complementary

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



40.8201, 38.4009, 99.8684



72.4003, 76.8061, 33.2016

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.



26.5850, 38.4009, 18.0583



40.8201, 38.4009, 99.8684



40.4007, 38.4009, 12.0692

Square

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



40.8201, 38.4009, 99.8684



53.3226, 38.4009, 30.9914



32.4940, 38.4009, 12.2006



23.6480, 38.4009, 54.8971

Rectangle

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



40.8201, 38.4009, 99.8684



52.3301, 38.4009, 62.5458



32.4940, 38.4009, 12.2006



24.2336, 38.4009, 26.2562

Sweetspot

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



40.8214, 38.4022, 99.8686



75.1186, 77.8564, 105.6763



58.9565, 81.9161, 83.5822



15.4878, 16.0015, 22.5222



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.



40.8214, 38.4022, 99.8686



34.6219, 30.8825, 98.7439



41.6461, 31.8366, 98.5578



17.3657, 18.1031, 22.8289



10.4490, 5.8076, 50.0048



1.0988, 0.7284, 4.8959

Inverse Universe

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



56.2394, 40.6811, 39.5395



51.9191, 34.3928, 30.8476



70.8902, 89.1412, 35.6621



18.1925, 18.0603, 19.6309



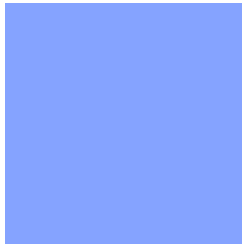
22.0624, 11.3142, 3.7130



2.1892, 1.1181, 0.5780

Previews

White Background



This preview shows how the XYZ color 40.8201, 38.4009, 99.8684 looks on a white background.

Color Contrast Check

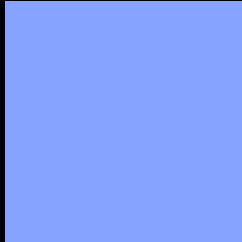
Large Text (above 18pt) WCAG AA × Fail

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 40.8201, 38.4009, 99.8684 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 40.8201, 38.4009, 99.8684

Background



This preview shows how black text looks on a background with the XYZ color 40.8201, 38.4009, 99.8684.



This preview shows how white text looks on a background with the XYZ color 40.8201, 38.4009,

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

40.8201, 38.4009, 99.8684

Protanopia

40.8201, 38.4009, 99.8684

Deuteranopia

39.5517, 38.5658, 99.1253



Tritanopia

31.7590, 38.3458, 54.4428

Trichromacy



Original Color

40.8201, 38.4009, 99.8684

Protanomaly

40.8201, 38.4009, 99.8684

Deuteranomaly

39.9487, 38.5016, 99.0920

Tritanomaly

34.5857, 38.0458, 69.1390

Monochromacy



Original Color

40.8201, 38.4009, 99.8684

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

36.6054, 37.4004, 58.7158

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8201, 38.4009, 99.8684 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(133, 163, 255)` looks like.

```
.text, #text, p{  
    color:rgb(133, 163, 255)  
}
```

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(133, 163, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 163, 255) }
```

Border

The CSS property to change the border of an element to XYZ 40.8201, 38.4009, 99.8684 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(133, 163, 255) }
```


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

```
.border{ border-color:rgb(133, 163, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 163, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 163, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 163, 255);  
box-shadow:4px 4px 4px 4px rgb(133, 163,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8201, 38.4009, 99.8684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 163, 255) }
```

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

```
.background{ background-color: rgb(133,  
163, 255) }
```

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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