

Converting Colors

XYZ(42.1301, 39.9113, 98.6127)

Have a look what the booklet for
XYZ(42.1301, 39.9113, 98.6127)
contains.

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Color

**XYZ(42.0133, 39.8533,
98.4066)**

Conversions

Conversions Part 1

Format	Color
Hex	8BA6FD
RGB	139, 166, 253
RGB Percent	55%, 65%, 99%
CMY	0.4549, 0.3490, 0.0078
CMYK	0.45, 0.34, 0.00, 0.01
HSL	226°, 97%, 77%
HSV	226°, 45%, 99%
XYZ	42.0133, 39.8533, 98.4066
YIQ	167.8450, -44.0190, 21.3330

Conversions

Conversions Part 2

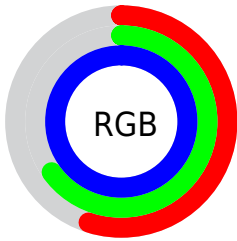
Format	Color
R _Y B	139, 161, 253
Decimal	9152253
CIE Lab	69.36, 12.93, -46.19
CIE LCh	69, 47.962, 285.635
Yxy	39.8533, 0.2331, 0.2211
Android (android.graphics.Color)	4287342333 (0xFF8BA6FD)
YUV	167.8450, 41.9814, -25.2971
Hunter-Lab	63.1295, 8.3170, -48.2310

Details

The XYZ color **42.0133, 39.8533, 98.4066** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **72.3661, 77.1414, 35.5037**, and the grayscale version is **36.9610, 38.8858, 42.3467**.

A 20% lighter version of the original color is **66.9324, 70.8032, 104.7464**, and **19.3745, 17.7695, 54.6333** is the 20% darker color. If you saturate the color by 10%, you get **35.0171, 31.4221, 97.1487**, and if you desaturate by 10%, it is **50.5167, 49.8451, 99.8878**.

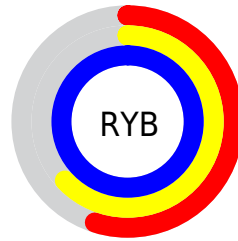
Distribution



Red (55%)

Green (65%)

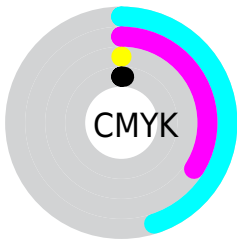
Blue (99%)



Red (55%)

Yellow (63%)

Blue (99%)

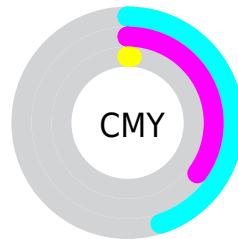


Cyan (45%)

Magenta (34%)

Yellow (0%)

Black (1%)



Cyan (45%)

Magenta (35%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0133, 39.8533, 98.4066 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 42.0133, 39.8533, 98.4066 by changing the saturation by 10% instead.

■ 42.0133, 39.8533,
98.4066

■ 42.0133, 39.8533,
98.4066

345.5288,
345.5049, 576.2749

■ 29.3029, 27.4242,
74.3610

■ 77.4848, 74.9401,
160.9985

■ 19.4555, 17.8921,
54.5910

■ 100.9766, 98.3665,
200.3819

■ 12.1058, 10.8725,
38.6780

128.7928,
126.2275, 245.7150

■ 6.8885, 5.9812,
26.2034

161.2989,
158.9075, 297.4163

■ 3.4382, 2.8336,
16.7487

198.8602,
196.7908, 355.9045

■ 1.3895, 1.0455,
9.8955

241.8420,

■ 0.2487, 0.0000,

240.2619, 421.5979

5.2250

290.6098,
289.7051, 494.9152

■ 0.0000, 0.0000,
2.3188

■ 0.0000, 0.0000,
0.7417

■ 42.0133, 39.8533,
98.4066

■ 42.0133, 39.8533,
98.4066

■ 35.0171, 31.4221,
97.1487

■ 50.5167, 49.8451,
99.8878

■ 29.4321, 24.4651,
96.1003

■ 60.6068, 61.4690,
101.5996

■ 25.1572, 18.8937,
95.2502

■ 72.3624, 74.7969,
103.5526

■ 22.0752, 14.6068,
94.5852

■ 85.8558, 89.8955,
105.7557

■ 20.0452, 11.4870,
94.0900

94.7298, 99.8719,
107.2137

■ 19.3414, 10.3151,
93.9009

Harmonies

Analogous

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



34.3219, 39.8533, 98.8272



42.0133, 39.8533, 98.4066



49.4862, 39.8533, 80.3282

Triad

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



42.0133, 39.8533, 98.4066



49.2094, 39.8533, 19.5827



25.2657, 39.8533, 33.6966

Complementary

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



42.0133, 39.8533, 98.4066



72.3661, 77.1414, 35.5037

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.



28.2461, 39.8533, 19.9764



42.0133, 39.8533, 98.4066



41.6745, 39.8533, 13.9059

Square

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



42.0133, 39.8533, 98.4066



54.0092, 39.8533, 32.9352



34.0259, 39.8533, 14.0202



25.3306, 39.8533, 55.8599

Rectangle

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



42.0133, 39.8533, 98.4066



53.0382, 39.8533, 63.3529



34.0259, 39.8533, 14.0202



25.9249, 39.8533, 28.1397

Sweetspot

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



42.0148, 39.8547, 98.4076



75.0298, 77.6787, 105.6467



59.2966, 81.1496, 83.4166



15.4664, 15.9586, 22.5151



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.



42.0148, 39.8547, 98.4076



36.3188, 32.8072, 99.0260



43.0061, 33.8291, 97.1922



17.3522, 18.0760, 22.8244



10.3812, 5.6719, 49.9822



1.0905, 0.7117, 4.8932

Inverse Universe

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



56.6249, 42.1028, 41.2199



53.1342, 36.2518, 33.0137



70.6824, 88.0430, 37.6966



18.1857, 18.0576, 19.5948



22.0281, 11.3005, 3.5326



2.1851, 1.1164, 0.5559

Previews

White Background



This preview shows how the XYZ color 42.0133, 39.8533, 98.4066 looks on a white background.

Color Contrast Check

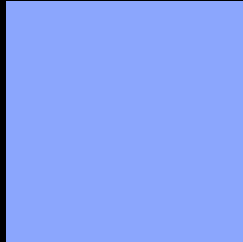
Large Text (above 18pt) WCAG AA × Fail

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 42.0133, 39.8533, 98.4066 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 42.0133, 39.8533, 98.4066

Background



This preview shows how black text looks on a background with the XYZ color 42.0133, 39.8533, 98.4066.



This preview shows how white text looks on a background with the XYZ color 42.0133, 39.8533,

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

42.0133, 39.8533, 98.4066

Protanopia

42.0133, 39.8533, 98.4066

Deuteranopia

41.0923, 39.9224, 98.4685



Tritanopia

33.4609, 39.7841, 55.7847

Trichromacy



Original Color

42.0133, 39.8533, 98.4066

Protanomaly

42.0133, 39.8533, 98.4066

Deuteranomaly

41.3799, 39.7976, 98.4293

Tritanomaly

36.1757, 39.7163, 69.3777

Monochromacy



Original Color

42.0133, 39.8533, 98.4066

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

38.0321, 38.9291, 59.5424

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0133, 39.8533, 98.4066 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(139, 166, 253)` looks like.

```
.text, #text, p{  
    color:rgb(139, 166, 253)  
}
```

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(139, 166, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 166, 253) }
```

Border

The CSS property to change the border of an element to XYZ 42.0133, 39.8533, 98.4066 is called "border". The border property can be set on classes, ids or directly on the HTML element.

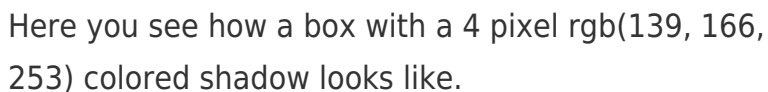
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(139, 166, 253) }
```


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

```
.border{ border-color:rgb(139, 166, 253) }
```

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



Here you see how a box with a 4 pixel `rgb(139, 166, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 166, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 166, 253);  
box-shadow:4px 4px 4px 4px rgb(139, 166,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0133, 39.8533, 98.4066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 166, 253) }
```

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

```
.background{ background-color: rgb(139,  
166, 253) }
```

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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