

Converting Colors

XYZ(41.8900, 38.3023, 99.7930)

Have a look what the booklet for
XYZ(41.8900, 38.3023, 99.7930)
contains.

XYZ(41.9502, 38.4605, 99.8204)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(41.9502, 38.4605,
99.8204)**

Conversions

Conversions Part 1

Format	Color
Hex	8EA1FF
RGB	142, 161, 255
RGB Percent	56%, 63%, 100%
CMY	0.4431, 0.3686, 0.0000
CMYK	0.44, 0.37, 0.00, 0.00
HSL	230°, 100%, 78%
HSV	230°, 44%, 100%
XYZ	41.9502, 38.4605, 99.8204
YIQ	166.0350, -41.4980, 25.2060

Conversions

Conversions Part 2

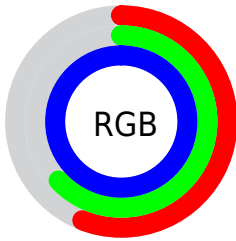
Format	Color
R _Y B	142, 158, 255
Decimal	9347583
CIE Lab	68.36, 17.07, -48.84
CIE LCh	68, 51.741, 289.266
Yxy	38.4605, 0.2328, 0.2134
Android (android.graphics.Color)	4287537663 (0xFF8EA1FF)
YUV	166.0350, 43.8597, -21.0787
Hunter-Lab	62.0165, 12.2149, -52.0203

Details

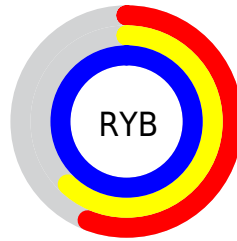
The XYZ color **41.9502, 38.4605, 99.8204** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **76.1191, 83.2056, 37.6416**, and the grayscale version is **36.0728, 37.9513, 41.3290**.

A 20% lighter version of the original color is **66.4253, 68.6111, 104.3500**, and **19.5153, 17.1604, 55.7098** is the 20% darker color. If you saturate the color by 10%, you get **34.6672, 29.6625, 98.5060**, and if you desaturate by 10%, it is **50.8653, 49.0347, 101.3915**.

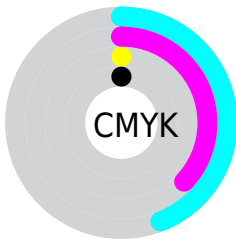
Distribution



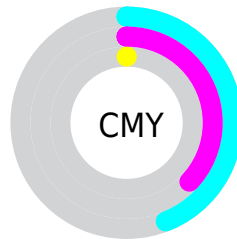
- Red (56%)
- Green (63%)
- Blue (100%)



- Red (56%)
- Yellow (62%)
- Blue (100%)



- Cyan (44%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)



- Cyan (44%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.9502, 38.4605, 99.8204 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 41.9502, 38.4605, 99.8204 by changing the saturation by 10% instead.

■ 41.9502, 38.4605,
99.8204

■ 41.9502, 38.4605,
99.8204

345.2716,
339.5913, 580.8585

■ 29.2532, 26.3403,
75.5345

■ 77.3899, 72.8134,
162.9601

■ 19.4177, 17.0784,
55.5465

■ 100.8633, 95.8149,
202.6509

■ 12.0783, 10.2904,
39.4379

128.6596,
123.2123, 248.3139

■ 6.8696, 5.5919,
26.7901

161.1441,
155.3900, 300.3674

■ 3.4263, 2.5986,
17.1846

198.6823,
192.7323, 359.2301

■ 1.3830, 0.9259,
10.2029

241.6393,

■ 0.2441, 0.0000,

235.6237, 425.3205

5.4263

290.3806,
284.4486, 499.0571

■ 0.0000, 0.0000,
2.4364

■ 0.0000, 0.0000,
0.8062

■ 41.9502, 38.4605,
99.8204

■ 41.9502, 38.4605,
99.8204

■ 34.6672, 29.6625,
98.5060

■ 50.8653, 49.0347,
101.3915

■ 28.9115, 22.5376,
97.4341

■ 61.5008, 61.4724,
103.2317

■ 24.5720, 16.9780,
96.5897

■ 73.9429, 75.8598,
105.3529

■ 21.5201, 12.8610,
95.9559

■ 88.2712, 92.2765,
107.7665

■ 19.6023, 10.0440,
95.5133

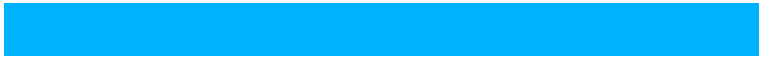
95.0500, 100.0000,
108.9000

■ 18.9092, 8.9385,
95.3364

Harmonies

Analogous

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



33.7255, 38.4605, 102.9230



41.9502, 38.4605, 99.8204



49.7013, 38.4605, 78.3346

Triad

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



41.9502, 38.4605, 99.8204



47.7135, 38.4605, 16.3200



23.2670, 38.4605, 34.0925

Complementary

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



41.9502, 38.4605, 99.8204



76.1191, 83.2056, 37.6416

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.



25.9598, 38.4605, 18.9593



41.9502, 38.4605, 99.8204



39.5397, 38.4605, 11.5260

Square

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



41.9502, 38.4605, 99.8204



53.3543, 38.4605, 28.7935



31.6444, 38.4605, 12.2696



23.7145, 38.4605, 58.4223

Rectangle

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



41.9502, 38.4605, 99.8204



53.1786, 38.4605, 59.7755



31.6444, 38.4605, 12.2696



23.8170, 38.4605, 27.9637

Sweetspot

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



41.9515, 38.4618, 99.8205



75.7133, 77.8960, 105.6526



61.8084, 83.2281, 90.8632



15.5721, 15.9439, 22.5067



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.



41.9515, 38.4618, 99.8205



35.5333, 30.7191, 98.6643



46.0350, 36.0073, 99.1315



17.2497, 17.8711, 22.7903



9.9522, 4.8139, 49.8392



1.0348, 0.6002, 4.8746

Inverse Universe

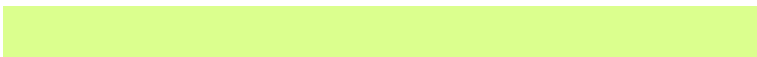
The Inverse Universe completely reimagines the original color for something new.



57.3470, 43.1808, 39.0315



52.8640, 36.6271, 30.1005



69.9220, 88.5671, 39.0031



18.1340, 18.0369, 19.3225



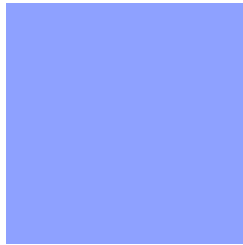
21.8116, 11.2139, 2.3924



2.1569, 1.1051, 0.4077

Previews

White Background



This preview shows how the XYZ color 41.9502, 38.4605, 99.8204 looks on a white background.

Color Contrast Check

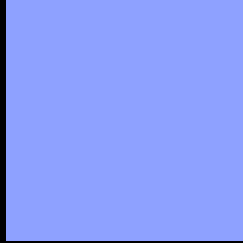
Large Text (above 18pt) WCAG AA × Fail

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 41.9502, 38.4605, 99.8204 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 41.9502, 38.4605, 99.8204

Background



This preview shows how black text looks on a background with the XYZ color 41.9502, 38.4605, 99.8204.



This preview shows how white text looks on a background with the XYZ color 41.9502, 38.4605,

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

41.9502, 38.4605, 99.8204

Protanopia

40.8201, 38.4009, 99.8684

Deuteranopia

39.6940, 38.6391, 99.1319



Tritanopia

32.8275, 38.6192, 53.8682

Trichromacy



Original Color

41.9502, 38.4605, 99.8204

Protanomaly

41.1237, 38.2949, 99.8319

Deuteranomaly

40.3708, 38.4525, 99.0602

Tritanomaly

35.7450, 38.3788, 68.4747

Monochromacy



Original Color

41.9502, 38.4605, 99.8204

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

37.3731, 37.7962, 58.7517

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9502, 38.4605, 99.8204 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(142, 161, 255)` looks like.

```
.text, #text, p{  
    color:rgb(142, 161, 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(142, 161, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 161, 255) }
```

Border

The CSS property to change the border of an element to XYZ 41.9502, 38.4605, 99.8204 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(142, 161, 255) }
```


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

```
.border{ border-color:rgb(142, 161, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 161, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 161, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 161, 255);  
box-shadow:4px 4px 4px 4px rgb(142, 161,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9502, 38.4605, 99.8204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 161, 255) }
```

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

```
.background{ background-color: rgb(142,  
161, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor