

Converting Colors

XYZ(40.4662, 38.2713, 99.8620)

Have a look what the booklet for
XYZ(40.4662, 38.2713, 99.8620)
contains.

XYZ(40.5073, 38.2397, 99.8538)	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(40.5073, 38.2397,
99.8538)**

Conversions

Conversions Part 1

Format	Color
Hex	83A3FF
RGB	131, 163, 255
RGB Percent	51%, 64%, 100%
CMY	0.4863, 0.3608, 0.0000
CMYK	0.49, 0.36, 0.00, 0.00
HSL	225°, 100%, 76%
HSV	225°, 49%, 100%
XYZ	40.5073, 38.2397, 99.8538
YIQ	163.9200, -48.6040, 21.8280

Conversions

Conversions Part 2

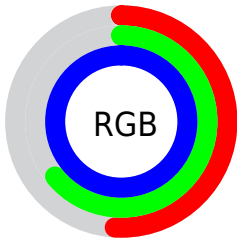
Format	Color
RYB	131, 156, 255
Decimal	8627199
CIELab	68.20, 13.35, -49.14
CIELCh	68, 50.926, 285.202
Yxy	38.2397, 0.2268, 0.2141
Android (android.graphics.Color)	4286817279 (0xFF83A3FF)
YUV	163.9200, 44.9024, -28.8708
Hunter-Lab	61.8383, 8.7099, -52.4522

Details

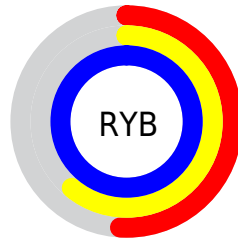
The XYZ color **40.5073, 38.2397, 99.8538** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **71.7257, 75.6761, 32.3014**, and the grayscale version is **35.0597, 36.8856, 40.1684**.

A 20% lighter version of the original color is **64.1077, 68.1816, 104.3893**, and **18.5857, 17.0052, 55.7288** is the 20% darker color. If you saturate the color by 10%, you get **33.9211, 30.2255, 98.6540**, and if you desaturate by 10%, it is **48.5704, 47.7625, 101.2669**.

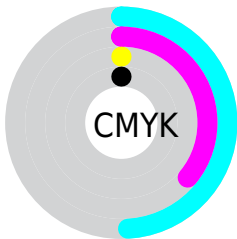
Distribution



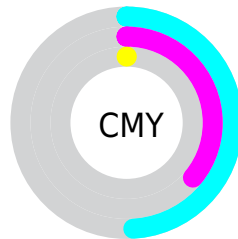
- Red (51%)
- Green (64%)
- Blue (100%)



- Red (51%)
- Yellow (61%)
- Blue (100%)



- Cyan (49%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)



- Cyan (49%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5073, 38.2397, 99.8538 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 40.5073, 38.2397, 99.8538 by changing the saturation by 10% instead.

■ 40.5073, 38.2397,
99.8538

■ 40.5073, 38.2397,
99.8538

339.3550,
338.6471, 580.9665

■ 28.1203, 26.1688,
75.5622

■ 75.2148, 72.4754,
163.0064

■ 18.5573, 16.9499,
55.5691

■ 98.2660, 95.4089,
202.7045

■ 11.4529, 10.1988,
39.4559

■ 125.6027,
122.7322, 248.3752

■ 6.4419, 5.5310,
26.8040

157.5902,
154.8294, 300.4370

■ 3.1588, 2.5620,
17.1949

194.5938,
192.0852, 359.3085

■ 1.2383, 0.9076,
10.2102

236.9789,

■ 0.1363, 0.0000,

234.8838, 425.4083

5.4311

285.1108,
283.6096, 499.1547

■ 0.0000, 0.0000,
2.4392

■ 0.0000, 0.0000,
0.8077

■ 40.5073, 38.2397,
99.8538

■ 40.5073, 38.2397,
99.8538

■ 33.9211, 30.2255,
98.6540

■ 48.5704, 47.7625,
101.2669

■ 28.7130, 23.6342,
97.6563

■ 58.1926, 58.8654,
102.9028

■ 24.7777, 18.3766,
96.8488

■ 69.4544, 71.6198,
104.7711

■ 21.9913, 14.3502,
96.2185

■ 82.4295, 86.0912,
106.8805

■ 20.1855, 11.4259,
95.7493

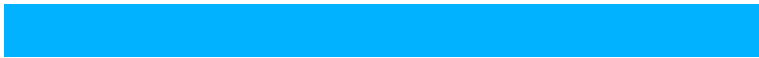
95.0500, 100.0000,
108.9000

■ 19.9867, 11.0934,
95.6956

Harmonies

Analogous

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



32.5761, 38.2397, 99.9972



40.5073, 38.2397, 99.8538



48.3199, 38.2397, 80.7732

Triad

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



40.5073, 38.2397, 99.8538



48.2277, 38.2397, 17.6404



23.4688, 38.2397, 31.4173

Complementary

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



40.5073, 38.2397, 99.8538



71.7257, 75.6761, 32.3014

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.



26.5337, 38.2397, 17.7639



40.5073, 38.2397, 99.8538



40.3954, 38.2397, 12.0152

Square

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



40.5073, 38.2397, 99.8538



53.2005, 38.2397, 31.1706



32.4793, 38.2397, 12.0502



23.4897, 38.2397, 54.2165

Rectangle

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



40.5073, 38.2397, 99.8538



52.0799, 38.2397, 62.8523



32.4793, 38.2397, 12.0502



24.1502, 38.2397, 25.8292

Sweetspot

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



40.5086, 38.2410, 99.8540



73.9564, 76.6642, 105.5075



58.2971, 81.6162, 81.7424



15.2634, 15.7755, 22.4905



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.



40.5086, 38.2410, 99.8540



34.2914, 30.6840, 98.7230



40.6519, 30.9213, 98.4336



17.3840, 18.1396, 22.8350



10.5446, 5.9988, 50.0367



1.1103, 0.7514, 4.8998

Inverse Universe

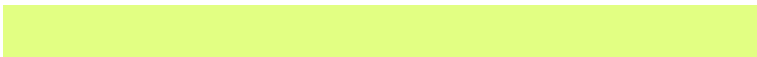
The Inverse Universe completely reimagines the original color for something new.



55.9682, 40.1386, 39.4491



51.6395, 33.8488, 30.7073



71.2425, 89.3386, 34.9640



18.2017, 18.0640, 19.6794



22.1106, 11.3335, 3.9670



2.1951, 1.1204, 0.6086

Previews

White Background



This preview shows how the XYZ color 40.5073, 38.2397, 99.8538 looks on a white background.

Color Contrast Check

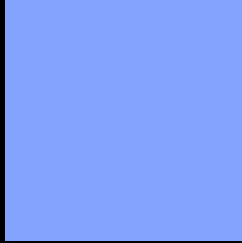
Large Text (above 18pt) WCAG AA × Fail

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 40.5073, 38.2397, 99.8538 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

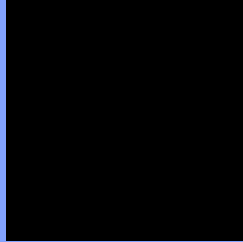
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.5073, 38.2397, 99.8538

Background



This preview shows how black text looks on a background with the XYZ color 40.5073, 38.2397, 99.8538.



This preview shows how white text looks on a background with the XYZ color 40.5073, 38.2397,

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

40.5073, 38.2397, 99.8538

Protanopia

40.8201, 38.4009, 99.8684

Deuteranopia

39.2297, 38.1310, 99.0583



Tritanopia

31.3751, 38.1479, 54.4248

Trichromacy



Original Color

40.5073, 38.2397, 99.8538

Protanomaly

40.6629, 38.3199, 99.8611

Deuteranomaly

39.6223, 38.0666, 99.0252

Tritanomaly

34.1717, 37.8324, 69.1197

Monochromacy



Original Color

40.5073, 38.2397, 99.8538

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

36.3024, 37.2575, 58.1014

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5073, 38.2397, 99.8538 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(131, 163, 255)` looks like.

```
.text, #text, p{  
    color:rgb(131, 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(131, 163, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 163, 255) }
```

Border

The CSS property to change the border of an element to XYZ 40.5073, 38.2397, 99.8538 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(131, 163, 255) }
```


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

```
.border{ border-color:rgb(131, 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(131, 163, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 163, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 163, 255);  
box-shadow:4px 4px 4px 4px rgb(131, 163,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5073, 38.2397, 99.8538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 163, 255) }
```

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

```
.background{ background-color: rgb(131,  
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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