

Converting Colors

XYZ(44.4775, 39.7726,
123.1385)

Have a look what the booklet for
XYZ(44.4775, 39.7726, 123.1385)
contains.

XYZ(40.0493, 38.0036, 99.8323)	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(40.0493, 38.0036,
99.8323)**

Conversions

Conversions Part 1

Format	Color
Hex	80A3FF
RGB	128, 163, 255
RGB Percent	50%, 64%, 100%
CMY	0.4980, 0.3608, 0.0000
CMYK	0.50, 0.36, 0.00, 0.00
HSL	223°, 100%, 75%
HSV	223°, 50%, 100%
XYZ	40.0493, 38.0036, 99.8323
YIQ	163.0230, -50.3920, 21.1920

Conversions

Conversions Part 2

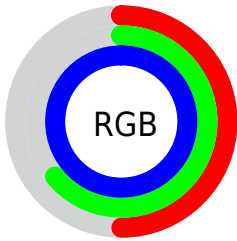
Format	Color
RYB	128, 155, 255
Decimal	8430591
CIELab	68.02, 12.68, -49.43
CIElCh	68, 51.030, 284.387
Yxy	38.0036, 0.2251, 0.2136
Android (android.graphics.Color)	4286620671 (0xFF80A3FF)
YUV	163.0230, 45.3447, -30.7152
Hunter-Lab	61.6471, 8.0810, -52.8623

Details

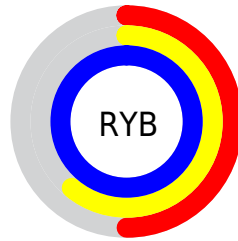
The XYZ color **40.0493, 38.0036, 99.8323** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **70.7308, 74.0070, 30.9810**, and the grayscale version is **34.6347, 36.4384, 39.6815**.

A 20% lighter version of the original color is **63.3711, 67.8019, 104.3548**, and **18.3711, 16.8945, 55.7188** is the 20% darker color. If you saturate the color by 10%, you get **33.6407, 30.1817, 98.6603**, and if you desaturate by 10%, it is **47.9033, 47.2830, 101.2095**.

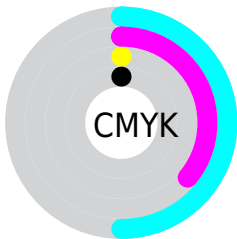
Distribution



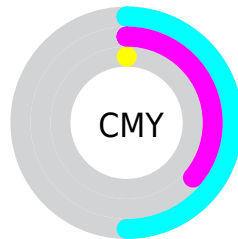
- Red (50%)
- Green (64%)
- Blue (100%)



- Red (50%)
- Yellow (61%)
- Blue (100%)



- Cyan (50%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)





- Cyan (50%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.0493, 38.0036, 99.8323 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 40.0493, 38.0036, 99.8323 by changing the saturation by 10% instead.


 40.0493, 38.0036,
99.8323


 40.0493, 38.0036,
99.8323


337.4622,
337.6354, 580.8970


 27.7614, 25.9855,
75.5444


 74.5224, 72.1137,
162.9766

 18.2854, 16.8128,
55.5546


 97.4384, 94.9744,
202.6700

 11.2560, 10.1011,
39.4443


 124.6277,
122.2181, 248.3357

 6.3079, 5.4660,
26.7951

156.4557,
154.2292, 300.3922

 3.0756, 2.5232,
17.1883

193.2878,
191.3921, 359.2580

 1.1939, 0.8882,
10.2055

235.4893,

 0.1015, 0.0000,

234.0912, 425.3517

5.4280

283.4257,
282.7108, 499.0919

■ 0.0000, 0.0000,
2.4374

■ 0.0000, 0.0000,
0.8067

■ 40.0493, 38.0036,
99.8323

■ 40.0493, 38.0036,
99.8323

■ 33.6407, 30.1817,
98.6603

■ 47.9033, 47.2830,
101.2095

■ 28.5792, 23.7342,
97.6826

■ 57.2840, 58.0889,
102.8008

■ 24.7596, 18.5746,
96.8880

■ 68.2715, 70.4904,
104.6155

■ 22.0578, 14.6029,
96.2638

■ 80.9385, 84.5508,
106.6618

■ 20.2866, 11.6838,
95.7937

95.0500, 100.0000,
108.9000

■ 20.2572, 11.6344,
95.7857

Harmonies

Analogous

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



32.1657, 38.0036, 99.3970



40.0493, 38.0036, 99.8323



47.8888, 38.0036, 81.1557

Triad

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



40.0493, 38.0036, 99.8323



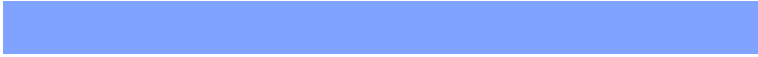
48.1683, 38.0036, 17.7096



23.3214, 38.0036, 30.6908

Complementary

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



40.0493, 38.0036, 99.8323



70.7308, 74.0070, 30.9810

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.



26.4591, 38.0036, 17.3363



40.0493, 38.0036, 99.8323



40.3886, 38.0036, 11.9368

Square

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



40.0493, 38.0036, 99.8323



53.0214, 38.0036, 31.4379



32.4589, 38.0036, 11.8313



23.2582, 38.0036, 53.2229

Rectangle

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



40.0493, 38.0036, 99.8323



51.7128, 38.0036, 63.3077



32.4589, 38.0036, 11.8313



24.0284, 38.0036, 25.2084

Sweetspot

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



40.0506, 38.0049, 99.8325



74.1397, 77.0308, 105.5686



57.4516, 81.2251, 79.6805



15.3072, 15.8630, 22.5050



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.



40.0506, 38.0049, 99.8325



33.5274, 30.0407, 98.6391



39.3878, 29.6802, 98.2606



17.4104, 18.1923, 22.8438



10.6912, 6.2919, 50.0856



1.1277, 0.7861, 4.9056

Inverse Universe

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



55.5710, 39.3443, 39.3167



51.0379, 32.7813, 30.0883



71.4883, 89.4885, 33.9293



18.2150, 18.0693, 19.7495



22.1846, 11.3631, 4.3566



2.2038, 1.1239, 0.6547

Previews

White Background



This preview shows how the XYZ color 40.0493, 38.0036, 99.8323 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 40.0493, 38.0036, 99.8323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

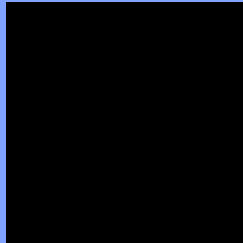
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.0493, 38.0036, 99.8323

Background



This preview shows how black text looks on a background with the XYZ color 40.0493, 38.0036, 99.8323.



This preview shows how white text looks on a background with the XYZ color 40.0493, 38.0036,

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

40.0493, 38.0036, 99.8323

Protanopia

40.3254, 37.9020, 98.9564

Deuteranopia

39.2509, 38.1233, 99.8975



Tritanopia

31.0039, 37.9565, 54.4075

Trichromacy



Original Color

40.0493, 38.0036, 99.8323

Protanomaly

40.1698, 37.8217, 98.9491

Deuteranomaly

39.4938, 37.9819, 99.8574

Tritanomaly

33.7707, 37.6257, 69.1009

Monochromacy



Original Color

40.0493, 38.0036, 99.8323

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

35.6387, 36.6639, 57.4230

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0493, 38.0036, 99.8323 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(128, 163, 255)` looks like.

```
.text, #text, p{  
    color:rgb(128, 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(128, 163, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 163, 255) }
```

Border

The CSS property to change the border of an element to XYZ 40.0493, 38.0036, 99.8323 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(128, 163, 255) }
```


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

```
.border{ border-color:rgb(128, 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(128, 163, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 163, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 163, 255);  
box-shadow:4px 4px 4px 4px rgb(128, 163,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0493, 38.0036, 99.8323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 163, 255) }
```

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

```
.background{ background-color: rgb(128,  
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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