

Converting Colors

XYZ(40.8011, 38.1486, 98.9782)

Have a look what the booklet for
XYZ(40.8011, 38.1486, 98.9782)
contains.

XYZ(40.8014, 38.1473, 98.9786)	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(40.8014, 38.1473,
98.9786)**

Conversions

Conversions Part 1

Format	Color
Hex	87A2FE
RGB	135, 162, 254
RGB Percent	53%, 64%, 100%
CMY	0.4706, 0.3647, 0.0039
CMYK	0.47, 0.36, 0.00, 0.00
HSL	226°, 98%, 76%
HSV	226°, 47%, 100%
XYZ	40.8014, 38.1473, 98.9786
YIQ	164.4150, -45.6240, 22.8880

Conversions

Conversions Part 2

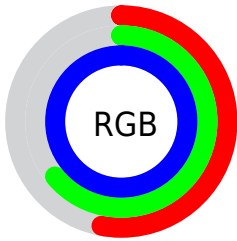
Format	Color
RYB	135, 157, 254
Decimal	8889086
CIELab	68.13, 14.56, -48.69
CIElCh	68, 50.821, 286.643
Yxy	38.1473, 0.2293, 0.2144
Android (android.graphics.Color)	4287079166 (0xFF87A2FE)
YUV	164.4150, 44.1654, -25.7970
Hunter-Lab	61.7635, 9.8322, -51.7803

Details

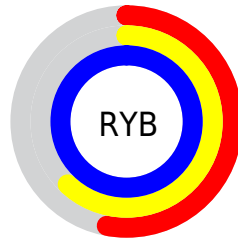
The XYZ color **40.8014, 38.1473, 98.9786** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **72.7171, 77.7608, 34.1004**, and the grayscale version is **35.2971, 37.1353, 40.4404**.

A 20% lighter version of the original color is **64.8552, 68.1832, 104.3502**, and **18.7430, 16.9366, 55.1046** is the 20% darker color. If you saturate the color by 10%, you get **33.9983, 29.9003, 97.7461**, and if you desaturate by 10%, it is **49.1222, 47.9798, 100.4387**.

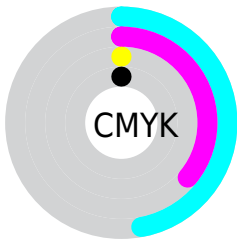
Distribution



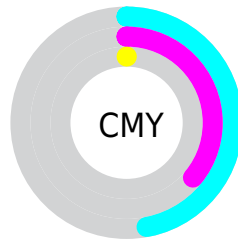
- Red (53%)
- Green (64%)
- Blue (100%)



- Red (53%)
- Yellow (62%)
- Blue (100%)



- Cyan (47%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)



- Cyan (47%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8014, 38.1473, 98.9786 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 40.8014, 38.1473, 98.9786 by changing the saturation by 10% instead.

■ 40.8014, 38.1473,
98.9786

■ 40.8014, 38.1473,
98.9786

340.5667,
338.2514, 578.1317

■ 28.3509, 26.0970,
74.8357

■ 75.6589, 72.3339,
161.7925

■ 18.7322, 16.8962,
54.9774

■ 98.7967, 95.2389,
201.3005

■ 11.5798, 10.1605,
38.9851

■ 126.2276,
122.5311, 246.7672

■ 6.5284, 5.5055,
26.4404

158.3170,
154.5947, 298.6113

■ 3.2126, 2.5468,
16.9247

195.4303,
191.8141, 357.2513

■ 1.2672, 0.9000,
10.0194

237.9327,

■ 0.1584, 0.0000,

234.5738, 423.1056

5.3061

286.1897,
283.2581, 496.5929

■ 0.0000, 0.0000,
2.3661

■ 0.0000, 0.0000,
0.7679

■ 40.8014, 38.1473,
98.9786

■ 40.8014, 38.1473,
98.9786

■ 33.9983, 29.9003,
97.7461

■ 49.1222, 47.9798,
100.4387

■ 28.6133, 23.1485,
96.7267

■ 59.0434, 59.4733,
102.1342

■ 24.5408, 17.7981,
95.9086

■ 70.6465, 72.7030,
104.0763

■ 21.6578, 13.7418,
95.2776

■ 84.0060, 87.7384,
106.2743

■ 19.8127, 10.8534,
94.8173

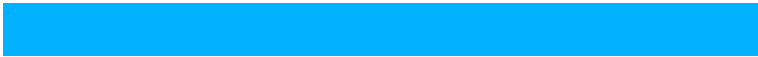
94.8895, 99.9358,
108.0550

■ 19.3838, 10.1443,
94.7031

Harmonies

Analogous

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



32.8488, 38.1473, 100.1388



40.8014, 38.1473, 98.9786



48.5095, 38.1473, 79.2977

Triad

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



40.8014, 38.1473, 98.9786



47.7631, 38.1473, 17.1924



23.3565, 38.1473, 32.2441

Complementary

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



40.8014, 38.1473, 98.9786



72.7171, 77.7608, 34.1004

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.



26.2651, 38.1473, 18.1942



40.8014, 38.1473, 98.9786



39.8949, 38.1473, 11.8932

Square

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



40.8014, 38.1473, 98.9786



52.9125, 38.1473, 30.2449



32.0648, 38.1473, 12.1769



23.5256, 38.1473, 55.3363

Rectangle

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



40.8014, 38.1473, 98.9786



52.1307, 38.1473, 61.3608



32.0648, 38.1473, 12.1769



23.9863, 38.1473, 26.5199

Sweetspot

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



40.8028, 38.1487, 98.9795



74.9322, 77.4835, 105.6142



59.1944, 81.5394, 84.7397



15.4429, 15.9116, 22.5073



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.



40.8028, 38.1487, 98.9795



34.8216, 30.8059, 98.7186



42.4352, 32.6722, 97.8364



17.3373, 18.0461, 22.8194



10.3096, 5.5288, 49.9584



1.0817, 0.6940, 4.8902

Inverse Universe

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



56.0599, 41.0092, 39.1444



52.1361, 34.9245, 30.6188



70.0222, 88.2057, 36.2585



18.1781, 18.0546, 19.5552



21.9920, 11.2861, 3.3425



2.1806, 1.1146, 0.5323

Previews

White Background



This preview shows how the XYZ color 40.8014, 38.1473, 98.9786 looks on a white background.

Color Contrast Check

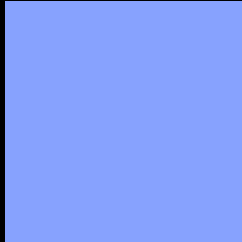
Large Text (above 18pt) WCAG AA × Fail

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 40.8014, 38.1473, 98.9786 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 40.8014, 38.1473, 98.9786

Background



This preview shows how black text looks on a background with the XYZ color 40.8014, 38.1473, 98.9786.



This preview shows how white text looks on a background with the XYZ color 40.8014, 38.1473,

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

40.8014, 38.1473, 98.9786

Protanopia

40.6595, 38.3367, 99.0227

Deuteranopia

39.2108, 38.1397, 98.2236



Tritanopia

31.7177, 38.0471, 53.8162

Trichromacy



Original Color

40.8014, 38.1473, 98.9786

Protanomaly

40.8181, 38.4185, 99.0301

Deuteranomaly

39.7575, 38.1548, 98.1977

Tritanomaly

34.5533, 37.7645, 68.4189

Monochromacy



Original Color

40.8014, 38.1473, 98.9786

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

36.3121, 36.9979, 58.0508

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8014, 38.1473, 98.9786 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(135, 162, 254)` looks like.

```
.text, #text, p{  
    color:rgb(135, 162, 254)  
}
```

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(135, 162, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 162, 254) }
```

Border

The CSS property to change the border of an element to XYZ 40.8014, 38.1473, 98.9786 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(135, 162, 254) }
```


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

```
.border{ border-color:rgb(135, 162, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 162, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 162, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 162, 254);  
box-shadow:4px 4px 4px 4px rgb(135, 162,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8014, 38.1473, 98.9786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 162, 254) }
```

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

```
.background{ background-color: rgb(135,  
162, 254) }
```

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