

Converting Colors

XYZ(38.1464, 36.6585, 80.6631)

Have a look what the booklet for
XYZ(38.1464, 36.6585, 80.6631)
contains.

XYZ(38.1499, 36.6619, 80.6670)	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(38.1499, 36.6619,
80.6670)**

Conversions

Conversions Part 1

Format	Color
Hex	8EA0E7
RGB	142, 160, 231
RGB Percent	56%, 63%, 91%
CMY	0.4431, 0.3725, 0.0941
CMYK	0.39, 0.31, 0.00, 0.09
HSL	228°, 65%, 73%
HSV	228°, 39%, 91%
XYZ	38.1499, 36.6619, 80.6670
YIQ	162.7120, -33.5190, 18.2650

Conversions

Conversions Part 2

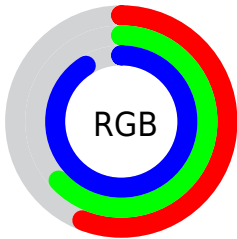
Format	Color
RYB	142, 157, 231
Decimal	9347303
CIELab	67.02, 10.97, -37.83
CIElCh	67, 39.387, 286.172
Yxy	36.6619, 0.2454, 0.2358
Android (android.graphics.Color)	4287537383 (0xFF8EA0E7)
YUV	162.7120, 33.6660, -18.1644
Hunter-Lab	60.5491, 6.5059, -36.6052

Details

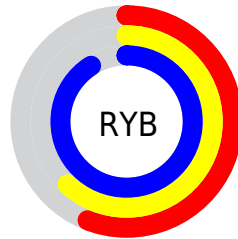
The XYZ color **38.1499, 36.6619, 80.6670** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **61.6327, 66.5315, 35.1861**, and the grayscale version is **34.5359, 36.3344, 39.5682**.

A 20% lighter version of the original color is **65.6391, 67.8266, 104.2400**, and **17.1370, 16.0587, 42.7539** is the 20% darker color. If you saturate the color by 10%, you get **31.6283, 28.9043, 79.5140**, and if you desaturate by 10%, it is **45.9689, 45.7926, 82.0180**.

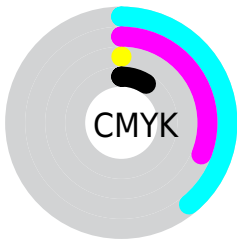
Distribution



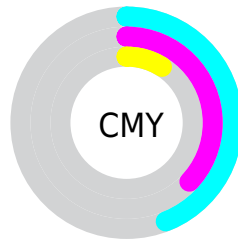
- Red (56%)
- Green (63%)
- Blue (91%)



- Red (56%)
- Yellow (62%)
- Blue (91%)



- Cyan (39%)
- Magenta (31%)
- Yellow (0%)
- Black (9%)



- Cyan (44%)
- Magenta (37%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.1499, 36.6619, 80.6670 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 38.1499, 36.6619, 80.6670 by changing the saturation by 10% instead.

■ 38.1499, 36.6619,
80.6670

■ 38.1499, 36.6619,
80.6670

329.5323,
331.8444, 516.9438

■ 26.2768, 24.9458,
59.7380

■ 71.6403, 70.0525,
136.1230

■ 17.1646, 16.0367,
42.7836

■ 93.9882, 92.4958,
171.4870

■ 10.4479, 9.5501,
29.3852

120.5585,
119.2836, 212.4997

■ 5.7615, 5.1017,
19.1243

151.7165,
150.8003, 259.5798

■ 2.7399, 2.3071,
11.5824

187.8275,
187.4304, 313.1457

■ 1.0177, 0.7774,
6.3410

229.2569,

■ 0.0000, 0.0000,

229.5582, 373.6160

2.9814

276.3700,
277.5680, 441.4091

■ 0.0000, 0.0000,
1.0851

■ 0.0000, 0.0000,
0.0000

■ 38.1499, 36.6619,
80.6670

■ 38.1499, 36.6619,
80.6670

■ 31.6283, 28.9043,
79.5140

■ 45.9689, 45.7926,
82.0180

■ 26.3283, 22.4480,
78.5472

■ 55.1476, 56.3555,
83.5730

■ 22.1721, 17.2203,
77.7572

■ 65.7488, 68.4108,
85.3412

■ 19.0708, 13.1396,
77.1330

■ 77.8304, 82.0144,
87.3302

■ 16.9217, 10.1134,
76.6621

■ 90.5196, 96.7409,
89.5039

■ 15.5831, 8.0246,
76.3295

■ 91.4239, 98.5496,
89.8053

■ 15.4292, 7.7802,
76.2904

Harmonies

Analogous

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



32.1677, 36.6619, 81.2259



38.1499, 36.6619, 80.6670



43.8231, 36.6619, 67.3619

Triad

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



38.1499, 36.6619, 80.6670



43.4365, 36.6619, 20.5530



24.8251, 36.6619, 32.5494

Complementary

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



38.1499, 36.6619, 80.6670



61.6327, 66.5315, 35.1861

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.



27.1871, 36.6619, 21.1714



38.1499, 36.6619, 80.6670



37.6690, 36.6619, 15.7094

Square

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



38.1499, 36.6619, 80.6670



47.1059, 36.6619, 31.4262



31.7386, 36.6619, 15.8975



24.9224, 36.6619, 49.8177

Rectangle

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



38.1499, 36.6619, 80.6670



46.4664, 36.6619, 54.7656



31.7386, 36.6619, 15.8975



25.3450, 36.6619, 28.0312

Sweetspot

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



38.1512, 36.6633, 80.6679



77.3755, 80.0531, 105.9814



51.5802, 67.6427, 72.4389



16.1846, 16.7063, 22.6216



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.



38.1512, 36.6633, 80.6679



41.3006, 38.2356, 99.8112



40.0803, 33.3561, 79.9278



13.8177, 14.3569, 18.1872



8.7201, 4.5023, 42.7926



0.7095, 0.4629, 3.1839

Inverse Universe

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



48.9742, 38.8743, 38.1813



56.7559, 41.9392, 39.0179



58.8529, 72.1965, 36.4261



14.4956, 14.4154, 15.5442



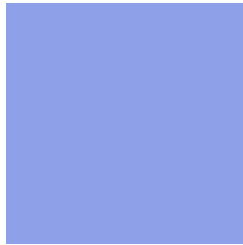
18.7950, 9.6522, 2.5496



1.4217, 0.7264, 0.3615

Previews

White Background



This preview shows how the XYZ color 38.1499, 36.6619, 80.6670 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 38.1499, 36.6619, 80.6670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

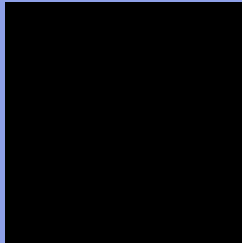
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.1499, 36.6619, 80.6670

Background



This preview shows how black text looks on a background with the XYZ color 38.1499, 36.6619, 80.6670.



This preview shows how white text looks on a background with the XYZ color 38.1499, 36.6619,

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

38.1499, 36.6619, 80.6670

Protanopia

37.8098, 36.4866, 80.6511

Deuteranopia

37.6499, 36.6625, 80.6935



Tritanopia

31.9411, 36.5407, 50.1693

Trichromacy



Original Color

38.1499, 36.6619, 80.6670

Protanomaly

37.9791, 36.5739, 80.6591

Deuteranomaly

37.8161, 36.7482, 80.7013

Tritanomaly

33.8931, 36.5109, 59.9045

Monochromacy



Original Color

38.1499, 36.6619, 80.6670

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

35.5150, 36.4401, 52.7387

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1499, 36.6619, 80.6670 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, 160, 231)` looks like.

```
.text, #text, p{  
    color:rgb(142, 160, 231)  
}
```

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, 160, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 160, 231) }
```

Border

The CSS property to change the border of an element to XYZ 38.1499, 36.6619, 80.6670 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, 160, 231) }
```


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

```
.border{ border-color:rgb(142, 160, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 160, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 160, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 160, 231);  
box-shadow:4px 4px 4px 4px rgb(142, 160,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1499, 36.6619, 80.6670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 160, 231) }
```

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

```
.background{ background-color: rgb(142,  
160, 231) }
```

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