

Converting Colors

XYZ(38.1310, 36.4916, 99.6416)

Have a look what the booklet for
XYZ(38.1310, 36.4916, 99.6416)
contains.

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Color

**XYZ(38.1310, 36.4916,
99.6416)**

Conversions

Conversions Part 1

Format	Color
Hex	75A1FF
RGB	117, 161, 255
RGB Percent	46%, 63%, 100%
CMY	0.5411, 0.3686, 0.0000
CMYK	0.54, 0.37, 0.00, 0.00
HSL	221°, 100%, 73%
HSV	221°, 54%, 100%
XYZ	38.1310, 36.4916, 99.6416
YIQ	158.5600, -56.3980, 19.9060

Conversions

Conversions Part 2

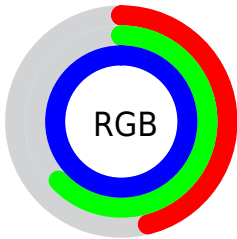
Format	Color
RYB	117, 150, 255
Decimal	7709183
CIELab	66.89, 11.46, -51.25
CIElCh	67, 52.520, 282.608
Yxy	36.4916, 0.2188, 0.2094
Android (android.graphics.Color)	4285899263 (0xFF75A1FF)
YUV	158.5600, 47.5449, -36.4481
Hunter-Lab	60.4083, 6.9585, -55.5112

Details

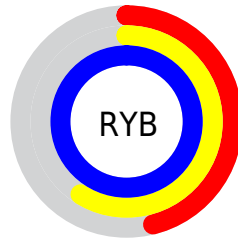
The XYZ color **38.1310, 36.4916, 99.6416** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **67.7468, 69.1356, 26.6056**, and the grayscale version is **32.5639, 34.2598, 37.3089**.

A 20% lighter version of the original color is **60.2549, 65.0510, 103.9881**, and **17.1851, 15.9591, 55.6007** is the 20% darker color. If you saturate the color by 10%, you get **32.3321, 29.3052, 98.5601**, and if you desaturate by 10%, it is **45.2870, 45.0048, 100.9076**.

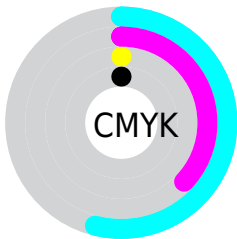
Distribution



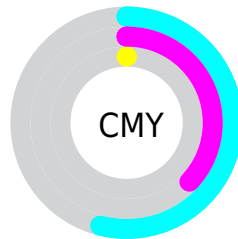
- Red (46%)
- Green (63%)
- Blue (100%)



- Red (46%)
- Yellow (59%)
- Blue (100%)



- Cyan (54%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)



- Cyan (54%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.1310, 36.4916, 99.6416 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 38.1310, 36.4916, 99.6416 by changing the saturation by 10% instead.

■ 38.1310, 36.4916,
99.6416

■ 38.1310, 36.4916,
99.6416

329.4527,
331.1042, 580.2799

■ 26.2621, 24.8141,
75.3860

■ 71.6115, 69.7902,
162.7122

■ 17.1535, 15.9386,
55.4256

■ 93.9537, 92.1800,
202.3642

■ 10.4400, 9.4807,
39.3417

■ 120.5178,
118.9095, 247.9855

■ 5.7561, 5.0560,
26.7157

151.6690,
150.3629, 299.9947

■ 2.7366, 2.2802,
17.1293

187.7728,
186.9247, 358.8101

■ 1.0161, 0.7632,
10.1638

229.1944,

■ 0.0000, 0.0000,

228.9792, 424.8504

5.4007

276.2993,
276.9109, 498.5342

■ 0.0000, 0.0000,
2.4214

■ 0.0000, 0.0000,
0.7981

■ 38.1310, 36.4916,
99.6416

■ 38.1310, 36.4916,
99.6416

■ 32.3321, 29.3052,
98.5601

■ 45.2870, 45.0048,
100.9076

■ 27.7916, 23.3672,
97.6533

■ 53.8817, 54.9092,
102.3664

■ 24.4020, 18.5955,
96.9109

■ 63.9943, 66.2692,
104.0261

■ 22.0329, 14.8933,
96.3212

■ 75.6968, 79.1436,
105.8943

■ 21.0147, 13.1494,
96.0382

■ 89.0565, 93.5880,
107.9783

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



30.3104, 36.4916, 97.9052



38.1310, 36.4916, 99.6416



46.1029, 36.4916, 81.4775

Triad

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



38.1310, 36.4916, 99.6416



47.2028, 36.4916, 16.8448



22.0403, 36.4916, 28.0258

Complementary

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



38.1310, 36.4916, 99.6416



67.7468, 69.1356, 26.6056

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.



25.3261, 36.4916, 15.4276



38.1310, 36.4916, 99.6416



39.4596, 36.4916, 10.8778

Square

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



38.1310, 36.4916, 99.6416



51.8534, 36.4916, 30.9182



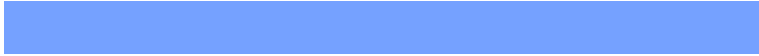
31.4516, 36.4916, 10.4837



21.7970, 36.4916, 50.0820

Rectangle

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



38.1310, 36.4916, 99.6416



50.1134, 36.4916, 63.4847



31.4516, 36.4916, 10.4837



22.7995, 36.4916, 22.7957

Sweetspot

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



38.1323, 36.4928, 99.6418



73.3659, 76.5982, 105.5259



54.6060, 79.9060, 72.8685



15.1728, 15.8138, 22.5026



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.



38.1323, 36.4928, 99.6418



31.8809, 28.7303, 98.4729



35.2283, 25.5202, 97.6769



17.4757, 18.3229, 22.8656



11.0989, 7.1073, 50.2215



1.1742, 0.8792, 4.9211

Inverse Universe

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



54.0353, 36.5575, 37.9274



49.7228, 30.4023, 28.8759



72.2504, 89.9605, 30.3879



18.2480, 18.0825, 19.9231



22.3904, 11.4455, 5.4403



2.2273, 1.1333, 0.7784

Previews

White Background



This preview shows how the XYZ color 38.1310, 36.4916, 99.6416 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 38.1310, 36.4916, 99.6416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

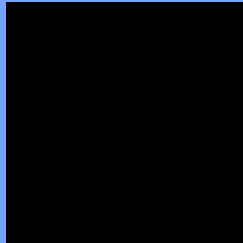
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

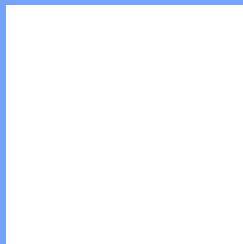
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.1310, 36.4916, 99.6416

Background



This preview shows how black text looks on a background with the XYZ color 38.1310, 36.4916, 99.6416.



This preview shows how white text looks on a background with the XYZ color 38.1310, 36.4916,

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

38.1310, 36.4916, 99.6416

Protanopia

38.8802, 36.4001, 97.9052

Deuteranopia

37.6524, 36.5054, 99.6695



Tritanopia

29.0295, 36.6612, 53.6904

Trichromacy



Original Color

38.1310, 36.4916, 99.6416

Protanomaly

38.6286, 36.5083, 98.7768

Deuteranomaly

37.9098, 36.6381, 99.6815

Tritanomaly

31.8645, 36.3783, 68.2931

Monochromacy



Original Color

38.1310, 36.4916, 99.6416

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

33.8100, 34.9659, 56.0061

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1310, 36.4916, 99.6416 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(117, 161, 255)` looks like.

```
.text, #text, p{  
    color:rgb(117, 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(117, 161, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 161, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.1310, 36.4916, 99.6416 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(117, 161, 255) }
```


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

```
.border{ border-color:rgb(117, 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(117, 161, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 161, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 161, 255);  
box-shadow:4px 4px 4px 4px rgb(117, 161,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1310, 36.4916, 99.6416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 161, 255) }
```

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

```
.background{ background-color: rgb(117,  
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](#).

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