

Converting Colors

XYZ(38.4421, 36.3033, 99.5791)

Have a look what the booklet for
XYZ(38.4421, 36.3033, 99.5791)
contains.

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Color

**XYZ(38.5060, 36.4266,
99.6093)**

Conversions

Conversions Part 1

Format	Color
Hex	79A0FF
RGB	121, 160, 255
RGB Percent	47%, 63%, 100%
CMY	0.5255, 0.3725, 0.0000
CMYK	0.53, 0.37, 0.00, 0.00
HSL	223°, 100%, 74%
HSV	223°, 53%, 100%
XYZ	38.5060, 36.4266, 99.6093
YIQ	159.1690, -53.7390, 21.2770

Conversions

Conversions Part 2

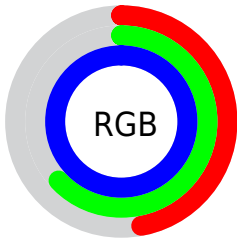
Format	Color
RYB	121, 151, 255
Decimal	7971071
CIELab	66.84, 12.88, -51.32
CIElCh	67, 52.909, 284.091
Yxy	36.4266, 0.2206, 0.2087
Android (android.graphics.Color)	4286161151 (0xFF79A0FF)
YUV	159.1690, 47.2447, -33.4742
Hunter-Lab	60.3545, 8.2623, -55.6044

Details

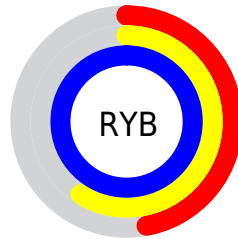
The XYZ color **38.5060, 36.4266, 99.6093** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **69.2486, 71.7546, 28.2915**, and the grayscale version is **32.8415, 34.5519, 37.6270**.

A 20% lighter version of the original color is **60.9190, 65.0164, 103.9464**, and **17.4066, 15.9140, 55.5804** is the 20% darker color. If you saturate the color by 10%, you get **32.4837, 29.0033, 98.4939**, and if you desaturate by 10%, it is **45.9308, 45.2506, 100.9212**.

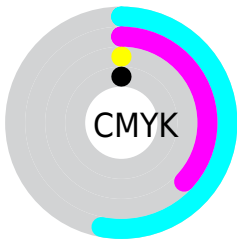
Distribution



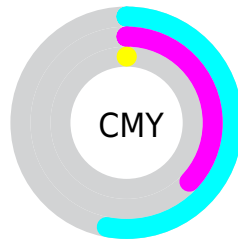
- Red (47%)
- Green (63%)
- Blue (100%)



- Red (47%)
- Yellow (59%)
- Blue (100%)



- Cyan (53%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)



- Cyan (53%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.5060, 36.4266, 99.6093 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 38.5060, 36.4266, 99.6093 by changing the saturation by 10% instead.

■ 38.5060, 36.4266,
99.6093

■ 38.5060, 36.4266,
99.6093

331.0291,
330.8213, 580.1753

■ 26.5546, 24.7638,
75.3592

■ 72.1820, 69.6900,
162.6674

■ 17.3739, 15.9012,
55.4037

■ 94.6373, 92.0594,
202.3124

■ 10.5984, 9.4543,
39.3243

■ 121.3246,
118.7666, 247.9262

■ 5.8627, 5.0387,
26.7023

152.6093,
150.1958, 299.9273

■ 2.8017, 2.2700,
17.1193

188.8568,
186.7315, 358.7342

■ 1.0498, 0.7577,
10.1567

230.4323,

■ 0.0000, 0.0000,

228.7580, 424.7655

5.3960

277.7013,
276.6598, 498.4397

■ 0.0000, 0.0000,
2.4187

■ 0.0000, 0.0000,
0.7966

■ 38.5060, 36.4266,
99.6093

■ 38.5060, 36.4266,
99.6093

■ 32.4837, 29.0033,
98.4939

■ 45.9308, 45.2506,
100.9212

■ 27.7644, 22.8987,
97.5643

■ 54.8407, 55.5434,
102.4383

■ 24.2405, 18.0266,
96.8096

■ 65.3158, 67.3728,
104.1695

■ 21.7828, 14.2867,
96.2173

■ 77.4295, 80.8011,
106.1229

■ 20.5129, 12.1459,
95.8710

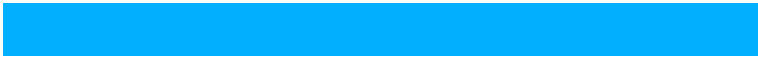
■ 91.2501, 95.8869,
108.3064

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.



30.5729, 36.4266, 98.9420



38.5060, 36.4266, 99.6093



46.4725, 36.4266, 80.4878

Triad

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



38.5060, 36.4266, 99.6093



46.8939, 36.4266, 16.2200



21.8308, 36.4266, 28.7661

Complementary

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



38.5060, 36.4266, 99.6093



69.2486, 71.7546, 28.2915

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.



24.9802, 36.4266, 15.6812



38.5060, 36.4266, 99.6093



39.0146, 36.4266, 10.5820

Square

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



38.5060, 36.4266, 99.6093



51.7970, 36.4266, 29.8704



31.0091, 36.4266, 10.4327



21.7380, 36.4266, 51.3898

Rectangle

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



38.5060, 36.4266, 99.6093



50.3922, 36.4266, 62.2060



31.0091, 36.4266, 10.4327



22.5424, 36.4266, 23.3528

Sweetspot

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



38.5073, 36.4278, 99.6095



73.0564, 75.9792, 105.4227



55.8864, 80.4815, 76.7456



15.0996, 15.6674, 22.4782



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.



38.5073, 36.4278, 99.6095



32.2422, 28.6985, 98.4478



37.0657, 27.1741, 97.8993



17.4336, 18.2389, 22.8516



10.8292, 6.5680, 50.1316



1.1437, 0.8181, 4.9109

Inverse Universe

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



54.4235, 37.4745, 37.6236



50.0893, 31.2540, 28.6323



71.2704, 89.4276, 31.5961



18.2268, 18.0740, 19.8114



22.2543, 11.3910, 4.7235



2.2119, 1.1271, 0.6972

Previews

White Background



This preview shows how the XYZ color 38.5060, 36.4266, 99.6093 looks on a white background.

Color Contrast Check

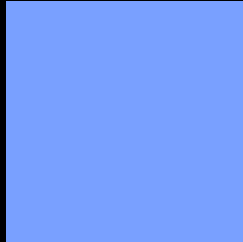
Large Text (above 18pt) WCAG AA × Fail

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 38.5060, 36.4266, 99.6093 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 38.5060, 36.4266, 99.6093

Background



This preview shows how black text looks on a background with the XYZ color 38.5060, 36.4266, 99.6093.



This preview shows how white text looks on a background with the XYZ color 38.5060, 36.4266,

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

38.5060, 36.4266, 99.6093

Protanopia

39.0399, 36.4641, 98.7466

Deuteranopia

37.6524, 36.5054, 99.6695



Tritanopia

29.2502, 36.4996, 53.0804

Trichromacy



Original Color

38.5060, 36.4266, 99.6093

Protanomaly

38.7450, 36.3120, 98.7328

Deuteranomaly

37.8651, 36.3546, 99.6292

Tritanomaly

32.0155, 36.1936, 67.5860

Monochromacy



Original Color

38.5060, 36.4266, 99.6093

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

33.8128, 34.7111, 55.9567

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5060, 36.4266, 99.6093 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(121, 160, 255)` looks like.

```
.text, #text, p{  
    color:rgb(121, 160, 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(121, 160, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 160, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.5060, 36.4266, 99.6093 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(121, 160, 255) }
```


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

```
.border{ border-color:rgb(121, 160, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 160, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 160, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 160, 255);  
box-shadow:4px 4px 4px 4px rgb(121, 160,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5060, 36.4266, 99.6093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 160, 255) }
```

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

```
.background{ background-color: rgb(121,  
160, 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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