

Converting Colors

XYZ(38.8836, 37.0279,
104.4392)

Have a look what the booklet for
XYZ(38.8836, 37.0279, 104.4392)
contains.

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Color

**XYZ(38.0406, 36.7055,
99.6877)**

Conversions

Conversions Part 1

Format	Color
Hex	73A2FF
RGB	115, 162, 255
RGB Percent	45%, 64%, 100%
CMY	0.5490, 0.3647, 0.0000
CMYK	0.55, 0.36, 0.00, 0.00
HSL	220°, 100%, 73%
HSV	220°, 55%, 100%
XYZ	38.0406, 36.7055, 99.6877
YIQ	158.5490, -57.8650, 18.9590

Conversions

Conversions Part 2

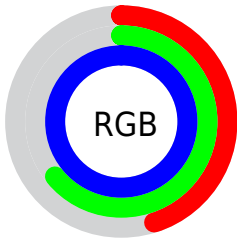
Format	Color
RYB	115, 150, 255
Decimal	7578367
CIELab	67.06, 10.48, -51.00
CIElCh	67, 52.069, 281.606
Yxy	36.7055, 0.2181, 0.2104
Android (android.graphics.Color)	4285768447 (0xFF73A2FF)
YUV	158.5490, 47.5503, -38.1925
Hunter-Lab	60.5851, 6.0540, -55.1472

Details

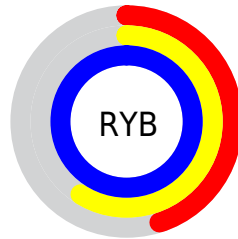
The XYZ color **38.0406, 36.7055, 99.6877** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **66.8920, 67.6122, 25.7467**, and the grayscale version is **32.5595, 34.2551, 37.3038**.

A 20% lighter version of the original color is **60.5421, 65.9597, 104.1483**, and **17.1441, 16.0991, 55.6299** is the 20% darker color. If you saturate the color by 10%, you get **32.3536, 29.6389, 98.6234**, and if you desaturate by 10%, it is **45.0593, 45.0565, 100.9296**.

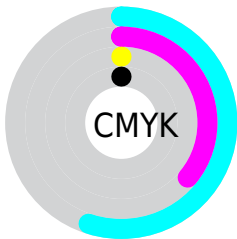
Distribution



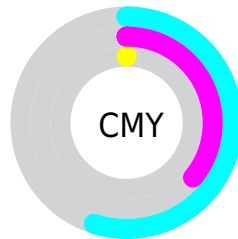
- Red (45%)
- Green (64%)
- Blue (100%)



- Red (45%)
- Yellow (59%)
- Blue (100%)



- Cyan (55%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)



- Cyan (55%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.0406, 36.7055, 99.6877 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 38.0406, 36.7055, 99.6877 by changing the saturation by 10% instead.

■ 38.0406, 36.7055,
99.6877

■ 38.0406, 36.7055,
99.6877

329.0719,
332.0337, 580.4291

■ 26.1916, 24.9796,
75.4243

■ 71.4739, 70.1196,
162.7761

■ 17.1004, 16.0618,
55.4568

■ 93.7888, 92.5766,
202.4382

■ 10.4019, 9.5679,
39.3665

■ 120.3231,
119.3793, 248.0702

■ 5.7305, 5.1134,
26.7349

151.4420,
150.9122, 300.0908

■ 2.7210, 2.3140,
17.1436

187.5110,
187.5598, 358.9184

■ 1.0080, 0.7811,
10.1739

228.8955,

■ 0.0000, 0.0000,

229.7062, 424.9716

5.4073

275.9606,
277.7361, 498.6690

■ 0.0000, 0.0000,
2.4253

■ 0.0000, 0.0000,
0.8002

■ 38.0406, 36.7055,
99.6877

■ 38.0406, 36.7055,
99.6877

■ 32.3536, 29.6389,
98.6234

■ 45.0593, 45.0565,
100.9296

■ 27.9000, 23.7805,
97.7274

■ 53.4906, 54.7542,
102.3571

■ 24.5726, 19.0506,
96.9898

■ 63.4130, 65.8609,
103.9779

■ 22.2404, 15.3543,
96.3992

■ 74.8978, 78.4336,
105.7994

■ 21.3461, 13.8122,
96.1487

■ 88.0116, 92.5259,
107.8283

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.



30.3012, 36.7055, 97.2509



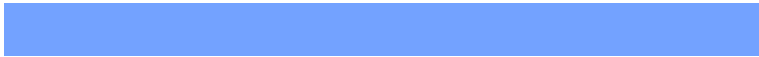
38.0406, 36.7055, 99.6877



46.0031, 36.7055, 82.2303

Triad

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



38.0406, 36.7055, 99.6877



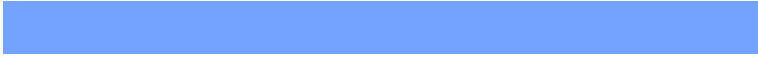
47.5525, 36.7055, 17.4444



22.3444, 36.7055, 27.7275

Complementary

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



38.0406, 36.7055, 99.6877



66.8920, 67.6122, 25.7467

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.



25.7242, 36.7055, 15.4275



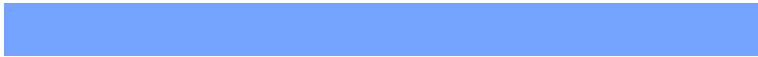
38.0406, 36.7055, 99.6877



39.9147, 36.7055, 11.2290

Square

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



38.0406, 36.7055, 99.6877



52.0242, 36.7055, 31.8209



31.9136, 36.7055, 10.6657



21.9996, 36.7055, 49.3945

Rectangle

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



38.0406, 36.7055, 99.6877



50.0654, 36.7055, 64.4885



31.9136, 36.7055, 10.6657



23.1364, 36.7055, 22.6128

Sweetspot

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



38.0419, 36.7067, 99.6878



73.5549, 76.9760, 105.5888



53.9721, 79.6217, 70.9180



15.2175, 15.9032, 22.5175



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.



38.0419, 36.7067, 99.6878



31.8047, 28.9361, 98.5167



34.3359, 24.7178, 97.5691



17.5012, 18.3741, 22.8741



11.2763, 7.4622, 50.2806



1.1939, 0.9185, 4.9276

Inverse Universe

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



53.8933, 36.1318, 38.3170



49.5969, 30.0171, 29.2449



72.7870, 90.2506, 29.8056



18.2609, 18.0877, 19.9911



22.4800, 11.4813, 5.9119



2.2372, 1.1373, 0.8307

Previews

White Background



This preview shows how the XYZ color 38.0406, 36.7055, 99.6877 looks on a white background.

Color Contrast Check

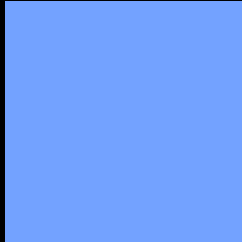
Large Text (above 18pt) WCAG AA × Fail

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 38.0406, 36.7055, 99.6877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

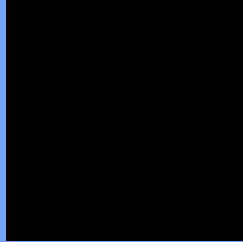
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

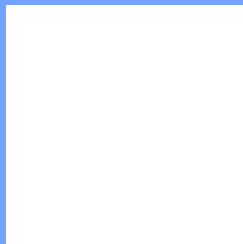
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.0406, 36.7055, 99.6877

Background



This preview shows how black text looks on a background with the XYZ color 38.0406, 36.7055, 99.6877.



This preview shows how white text looks on a background with the XYZ color 38.0406, 36.7055,

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

38.0406, 36.7055, 99.6877

Protanopia

39.0298, 36.4773, 97.9122

Deuteranopia

37.7804, 36.5714, 99.6755



Tritanopia

28.9386, 36.6018, 54.2548

Trichromacy



Original Color

38.0406, 36.7055, 99.6877

Protanomaly

38.6286, 36.5083, 98.7768

Deuteranomaly

37.9098, 36.6381, 99.6815

Tritanomaly

31.7679, 36.3138, 68.9533

Monochromacy



Original Color

38.0406, 36.7055, 99.6877

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

33.6361, 34.8763, 55.9979

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0406, 36.7055, 99.6877 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(115, 162, 255)` looks like.

```
.text, #text, p{  
    color:rgb(115, 162, 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(115, 162, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 162, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.0406, 36.7055, 99.6877 is called "border". The border property can be set on classes, ids or directly on the HTML element.

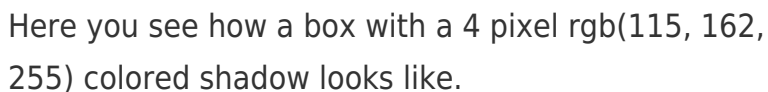
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(115, 162, 255) }
```


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

```
.border{ border-color:rgb(115, 162, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(115, 162, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 162, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 162, 255);  
box-shadow:4px 4px 4px 4px rgb(115, 162,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0406, 36.7055, 99.6877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 162, 255) }
```

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

```
.background{ background-color: rgb(115,  
162, 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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