

Converting Colors

XYZ(37.5894, 38.3412,
100.0271)

Have a look what the booklet for
XYZ(37.5894, 38.3412, 100.0271)
contains.

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Color

**XYZ(37.6048, 38.3626,
100.0305)**

Conversions

Conversions Part 1

Format	Color
Hex	65A9FF
RGB	101, 169, 255
RGB Percent	40%, 66%, 100%
CMY	0.6039, 0.3372, 0.0000
CMYK	0.60, 0.34, 0.00, 0.00
HSL	214°, 100%, 70%
HSV	214°, 60%, 100%
XYZ	37.6048, 38.3626, 100.0305
YIQ	158.4720, -68.1340, 12.3300

Conversions

Conversions Part 2

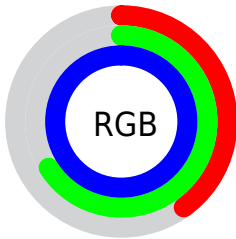
Format	Color
RYB	101, 148, 255
Decimal	6662655
CIELab	68.29, 3.75, -49.10
CIELCh	68, 49.247, 274.373
Yxy	38.3626, 0.2137, 0.2180
Android (android.graphics.Color)	4284852735 (0xFF65A9FF)
YUV	158.4720, 47.5883, -50.4029
Hunter-Lab	61.9375, -0.0161, -52.3984

Details

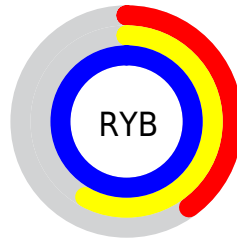
The XYZ color **37.6048, 38.3626, 100.0305** is a light color, and the websafe version is hex **3399FF**. A complement of this color would be **61.3611, 57.7431, 20.2255**, and the grayscale version is **32.5278, 34.2218, 37.2676**.

A 20% lighter version of the original color is **59.6059, 68.2127, 104.6325**, and **16.8229, 16.9382, 55.8088** is the 20% darker color. If you saturate the color by 10%, you get **32.6732, 32.0997, 99.0815**, and if you desaturate by 10%, it is **43.7129, 45.6615, 101.1174**.

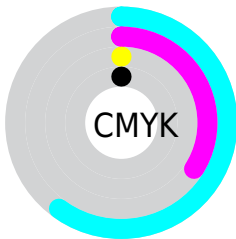
Distribution



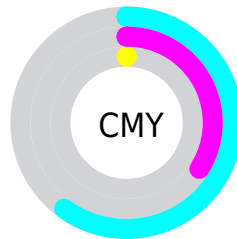
- Red (40%)
- Green (66%)
- Blue (100%)



- Red (40%)
- Yellow (58%)
- Blue (100%)



- Cyan (60%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6048, 38.3626, 100.0305 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 37.6048, 38.3626, 100.0305 by changing the saturation by 10% instead.

■ 37.6048, 38.3626,
100.0305

■ 37.6048, 38.3626,
100.0305

327.2319,
339.1729, 581.5380

■ 25.8519, 26.2642,
75.7090

■ 70.8098, 72.6636,
163.2513

■ 16.8450, 17.0214,
55.6887

■ 92.9926, 95.6350,
202.9877

■ 10.2187, 10.2498,
39.5511

■ 119.3829,
122.9995, 248.6995

■ 5.6076, 5.5649,
26.8776

150.3458,
155.1415, 300.8052

■ 2.6463, 2.5823,
17.2497

186.2468,
192.4455, 359.7234

■ 0.9696, 0.9178,
10.2488

227.4512,

■ 0.0000, 0.0000,

235.2958, 425.8725

5.4565

274.3245,
284.0768, 499.6712

■ 0.0000, 0.0000,
2.4541

■ 0.0000, 0.0000,
0.8157

■ 37.6048, 38.3626,
100.0305

■ 37.6048, 38.3626,
100.0305

■ 32.6732, 32.0997,
99.0815

■ 43.7129, 45.6615,
101.1174

■ 28.8201, 26.8070,
98.2630

■ 51.0767, 54.0486,
102.3481

■ 25.9356, 22.4139,
97.5671

■ 59.7720, 63.5761,
103.7288

■ 23.9098, 18.9396,
97.0033

■ 69.8677, 74.2913,
105.2650

■ 81.4271, 86.2385,
106.9618

94.5097, 99.4596,
108.8242

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.



30.4180, 38.3626, 92.9484



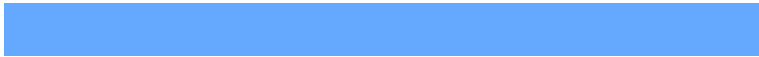
37.6048, 38.3626, 100.0305



45.4909, 38.3626, 87.5382

Triad

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



37.6048, 38.3626, 100.0305



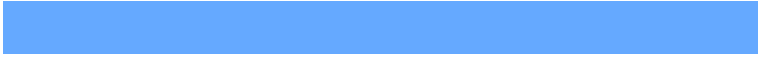
50.1213, 38.3626, 22.0898



24.6608, 38.3626, 25.9641

Complementary

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



37.6048, 38.3626, 100.0305



61.3611, 57.7431, 20.2255

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.



28.7154, 38.3626, 15.6099



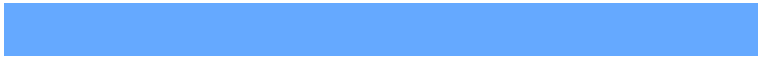
37.6048, 38.3626, 100.0305



43.2590, 38.3626, 13.9895

Square

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



37.6048, 38.3626, 100.0305



53.3353, 38.3626, 38.6154



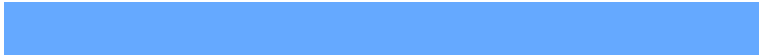
35.3436, 38.3626, 12.1242



23.5862, 38.3626, 45.0926

Rectangle

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



37.6048, 38.3626, 100.0305



49.8915, 38.3626, 71.7110



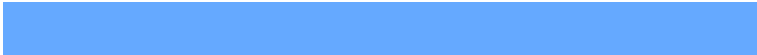
35.3436, 38.3626, 12.1242



25.6893, 38.3626, 21.5956

Sweetspot

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



37.6061, 38.3638, 100.0307



72.4937, 77.0317, 105.6555



49.9592, 77.8198, 58.6770



14.8343, 15.7755, 22.5131



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.



37.6061, 38.3638, 100.0307



31.9821, 31.1831, 98.9410



28.9753, 19.7617, 96.8950



17.6631, 18.6977, 22.9280



12.6365, 10.1825, 50.7340



1.3371, 1.2049, 4.9754

Inverse Universe

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



53.0561, 33.4336, 41.1940



49.2246, 28.0999, 32.7360



76.5732, 92.2886, 26.0917



18.3426, 18.1203, 20.4212



23.1665, 11.7559, 9.5272



2.3095, 1.1662, 1.2113

Previews

White Background



This preview shows how the XYZ color 37.6048, 38.3626, 100.0305 looks on a white background.

Color Contrast Check

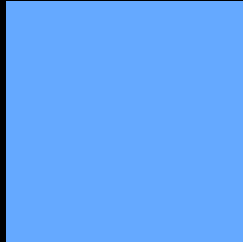
Large Text (above 18pt) WCAG AA × Fail

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 37.6048, 38.3626, 100.0305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

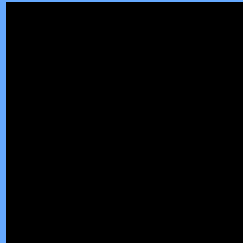
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

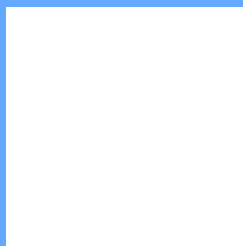
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.6048, 38.3626, 100.0305

Background



This preview shows how black text looks on a background with the XYZ color 37.6048, 38.3626, 100.0305.



This preview shows how white text looks on a background with the XYZ color 37.6048, 38.3626,

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

37.6048, 38.3626, 100.0305

Protanopia

40.3442, 38.2474, 95.6986

Deuteranopia

39.2509, 38.1233, 99.8975



Tritanopia

29.3117, 38.4891, 58.1088

Trichromacy



Original Color

37.6048, 38.3626, 100.0305

Protanomaly

39.1942, 38.1495, 97.3933

Deuteranomaly

38.4963, 38.0031, 99.9141

Tritanomaly

31.9027, 38.3389, 71.3643

Monochromacy



Original Color

37.6048, 38.3626, 100.0305

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.8625, 35.0093, 55.4775

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6048, 38.3626, 100.0305 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(101, 169, 255)` looks like.

```
.text, #text, p{  
    color:rgb(101, 169, 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(101, 169, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 169, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.6048, 38.3626, 100.0305 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(101, 169, 255) }
```


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

```
.border{ border-color:rgb(101, 169, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 169, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 169, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 169, 255);  
box-shadow:4px 4px 4px 4px rgb(101, 169,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6048, 38.3626, 100.0305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 169, 255) }
```

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

```
.background{ background-color: rgb(101,  
169, 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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