

Converting Colors

Yxy(37.2846, 0.2060, 0.2159)

Have a look what the booklet for
Yxy(37.2846, 0.2060, 0.2159)
contains.

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Color

Yxy(37.3453, 0.2061, 0.2160)

Conversions

Conversions Part 1

Format	Color
Hex	51A9FF
RGB	81, 169, 255
RGB Percent	32%, 66%, 100%
CMY	0.6820, 0.3373, 0.0001
CMYK	0.68, 0.34, 0.00, 0.00
HSL	210°, 100%, 66%
HSV	210°, 68%, 100%
XYZ	35.6336, 37.3453, 99.9160
YIQ	152.4920, -80.0540, 8.0900

Conversions

Conversions Part 2

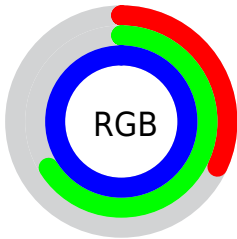
Format	Color
R _Y B	81, 139, 255
Decimal	5351935
CIE Lab	67.54, 0.47, -50.33
CIE LCh	68, 50.327, 270.531
Yxy	37.3453, 0.2061, 0.2160
Android (android.graphics.Color)	4283542015 (0xFF51A9FF)
YUV	152.4920, 50.5364, -62.6985
Hunter-Lab	61.1108, -2.8607, -54.1614

Details

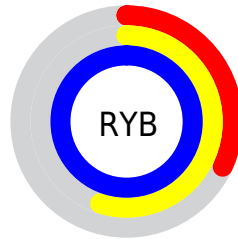
The Yxy color **37.3453, 0.2061, 0.2160** is a light color, and the websafe version is hex **3399FF**. The color can be described as light muted azure. A complement of this color would be **49.5172, 0.4695, 0.4111**, and the grayscale version is **31.4374, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.7344, 0.2489, 0.2927**, and **16.7998, 0.1857, 0.1884** is the 20% darker color. If you saturate the color by 10%, you get **31.9550, 0.1943, 0.1965**, and if you desaturate by 10%, it is **43.6132, 0.2198, 0.2355**.

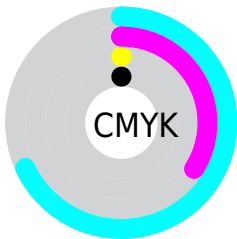
Distribution



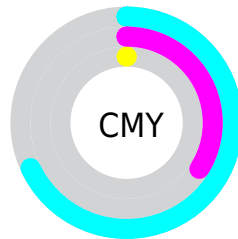
- Red (32%)
- Green (66%)
- Blue (100%)



- Red (32%)
- Yellow (55%)
- Blue (100%)



- Cyan (68%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)



- Cyan (68%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.3453, 0.2061, 0.2160 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 Yxy color 37.3453, 0.2061, 0.2160 by changing the saturation by 10% instead.


 37.3453, 0.2061,
0.2160


 37.3453, 0.2061,
0.2160


334.8031, 0.2582,
0.2711


 25.4750, 0.1939,
0.2031


 71.1035, 0.2245,
0.2355

 16.4313, 0.1789,
0.1873


 93.7602, 0.2316,
0.2429

 9.8298, 0.1601,
0.1674


 120.7811, 0.2376,
0.2494

 5.2863, 0.1362,
0.1422

 152.5507, 0.2429,
0.2549

 2.4162, 0.1056,
0.1101

189.4533, 0.2474,
0.2597

 0.8342, 0.0678,
0.0703

231.8733, 0.2515,

 0.0000, 0.0000,

0.2640

0.0000

280.1951, 0.2550,
0.2678

■ 37.3453, 0.2061,
0.2160

■ 37.3453, 0.2061,
0.2160

■ 31.9550, 0.1943,
0.1965

■ 43.6132, 0.2198,
0.2355

■ 27.3758, 0.1849,
0.1775

■ 50.8097, 0.2350,
0.2545

■ 23.5268, 0.1779,
0.1595

■ 58.9849, 0.2511,
0.2725

■ 22.8907, 0.1768,
0.1563

■ 68.1837, 0.2675,
0.2893

■ 78.4476, 0.2839,
0.3048

■ 89.8154, 0.3000,
0.3187

99.9984, 0.3127,
0.3290

Harmonies

Analogous

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



37.3453, 0.1835, 0.2391



37.3453, 0.2061, 0.2160



37.3453, 0.2558, 0.2190

Triad

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



37.3453, 0.2061, 0.2160



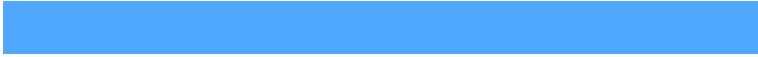
37.3453, 0.4543, 0.3398



37.3453, 0.2847, 0.4420

Complementary

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



37.3453, 0.2061, 0.2160



49.5172, 0.4695, 0.4111

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.



37.3453, 0.3571, 0.4686



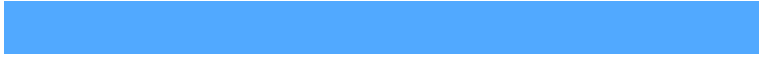
37.3453, 0.2061, 0.2160



37.3453, 0.4592, 0.3957

Square

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



37.3453, 0.2061, 0.2160



37.3453, 0.4037, 0.2869



37.3453, 0.4214, 0.4451



37.3453, 0.2237, 0.3698

Rectangle

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



37.3453, 0.2061, 0.2160



37.3453, 0.3020, 0.2336



37.3453, 0.4214, 0.4451



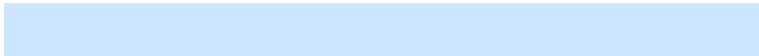
37.3453, 0.3085, 0.4572

Sweetspot

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



37.3465, 0.2061, 0.2160



76.5293, 0.2810, 0.3021



75.9794, 0.2706, 0.4473



15.7511, 0.2764, 0.2978



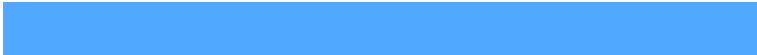
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.3465, 0.2061, 0.2160



30.1262, 0.1905, 0.1891



15.3125, 0.1808, 0.1124



18.8955, 0.2979, 0.3169



12.2628, 0.1776, 0.1592



1.4126, 0.1832, 0.1796

Inverse Universe

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



30.0194, 0.4209, 0.2461



25.4602, 0.4547, 0.2419



91.5199, 0.4072, 0.4805



18.1403, 0.3215, 0.3170



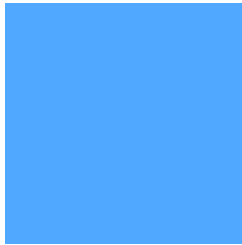
11.9659, 0.4941, 0.2496



1.1871, 0.4690, 0.2357

Previews

White Background



This preview shows how the Yxy color 37.3453, 0.2061, 0.2160 looks on a white background.

Color Contrast Check

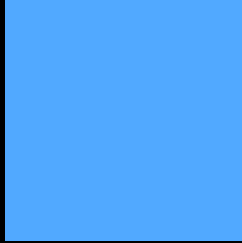
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 37.3453, 0.2061, 0.2160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

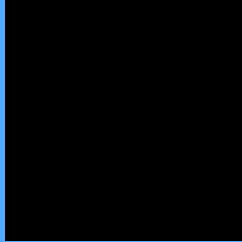
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

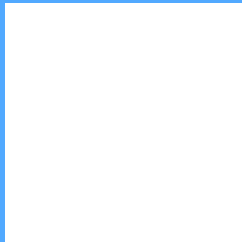
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.3453, 0.2061, 0.2160

Background



This preview shows how black text looks on a background with the Yxy color 37.3453, 0.2061, 0.2160.

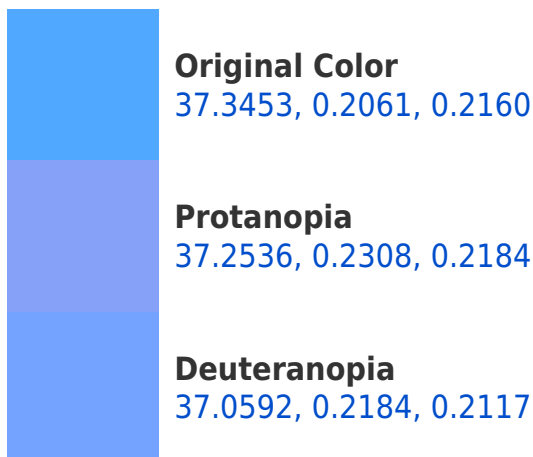


This preview shows how white text looks on a background with the Yxy color 37.3453, 0.2061, 0.2160.

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





Tritanopia

37.4646, 0.2225, 0.3051

Trichromacy



Original Color

37.3453, 0.2061, 0.2160

Protanomaly

37.0934, 0.2198, 0.2167

Deuteranomaly

37.0138, 0.2133, 0.2128

Tritanomaly

37.2383, 0.2153, 0.2693

Monochromacy



Original Color

37.3453, 0.2061, 0.2160

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

33.0260, 0.2603, 0.2824

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3453, 0.2061, 0.2160 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(81, 169, 255)` looks like.

```
.text, #text, p{  
    color:rgb(81, 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(81, 169, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 169, 255) }
```

Border

The CSS property to change the border of an element to Yxy 37.3453, 0.2061, 0.2160 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(81, 169, 255) }
```

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

```
.border{ border-color:rgb(81, 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(81, 169, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 169, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 169, 255);  
box-shadow:4px 4px 4px 4px rgb(81, 169,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 37.3453, 0.2061, 0.2160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 169, 255) }
```

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

```
.background{ background-color: rgb(81, 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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