

Converting Colors

$Yxy(36.4004, 0.1964, 0.1781)$

Have a look what the booklet for
Yxy(36.4004, 0.1964, 0.1781)
contains.

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Color

Yxy(34.2404, 0.2064, 0.2033)

Conversions

Conversions Part 1

Format	Color
Hex	5B9FFF
RGB	91, 159, 255
RGB Percent	36%, 62%, 100%
CMY	0.6434, 0.3765, 0.0000
CMYK	0.64, 0.38, 0.00, 0.00
HSL	215°, 100%, 68%
HSV	215°, 64%, 100%
XYZ	34.7625, 34.2404, 99.4201
YIQ	149.6120, -71.3440, 15.4400

Conversions

Conversions Part 2

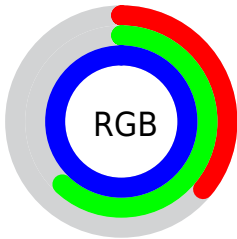
Format	Color
R _Y B	91, 139, 255
Decimal	6004735
CIE Lab	65.15, 7.77, -54.11
CIE LCh	65, 54.666, 278.174
Yxy	34.2404, 0.2064, 0.2033
Android (android.graphics.Color)	4284194815 (0xFF5B9FFF)
YUV	149.6120, 51.9563, -51.4027
Hunter-Lab	58.5153, 3.6407, -59.7757

Details

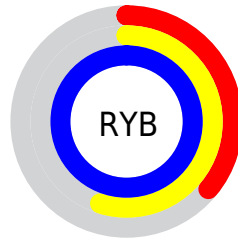
The Yxy color **34.2404, 0.2064, 0.2033** is a light color, and the websafe version is hex **3399FF**. The color can be described as light muted azure. A complement of this color would be **57.5254, 0.4470, 0.4224**, and the grayscale version is **30.1179, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.6785, 0.2503, 0.2798**, and **14.8023, 0.1813, 0.1725** is the 20% darker color. If you saturate the color by 10%, you get **28.3309, 0.1926, 0.1804**, and if you desaturate by 10%, it is **41.2060, 0.2221, 0.2263**.

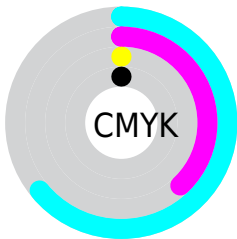
Distribution



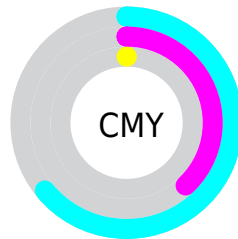
- Red (36%)
- Green (62%)
- Blue (100%)



- Red (36%)
- Yellow (55%)
- Blue (100%)



- Cyan (64%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)




- Cyan (64%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.2404, 0.2064, 0.2033 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 34.2404, 0.2064, 0.2033 by changing the saturation by 10% instead.

 34.2404, 0.2064,
0.2033


 34.2404, 0.2064,
0.2033


321.2027, 0.2591,
0.2642

 23.0783, 0.1939,
0.1893

 66.3073, 0.2251,
0.2246


 14.6514, 0.1785,
0.1721


 87.9810, 0.2323,
0.2329

 8.5751, 0.1591,
0.1509


 113.9273, 0.2385,
0.2400

 4.4651, 0.1344,
0.1243

 144.5307, 0.2437,
0.2461

 1.9370, 0.1029,
0.0915

180.1755, 0.2483,
0.2515

 0.5705, 0.0641,
0.0500

221.2462, 0.2524,

 0.0000, 0.0000,

0.2562

0.0000

268.1271, 0.2559,
0.2604

■ 34.2404, 0.2064,
0.2033

■ 34.2404, 0.2064,
0.2033

■ 28.3309, 0.1926,
0.1804

■ 41.2060, 0.2221,
0.2263

■ 23.4137, 0.1811,
0.1583

■ 49.2937, 0.2388,
0.2486

■ 19.4067, 0.1725,
0.1379

■ 58.5572, 0.2561,
0.2697

■ 17.4865, 0.1687,
0.1272

■ 69.0481, 0.2733,
0.2891

■ 80.8140, 0.2901,
0.3068

93.9002, 0.3061,
0.3227

100.0000, 0.3127,
0.3290

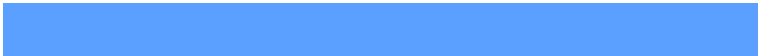
Harmonies

Analogous

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



34.2404, 0.1746, 0.2198



34.2404, 0.2064, 0.2033



34.2404, 0.2675, 0.2134

Triad

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



34.2404, 0.2064, 0.2033



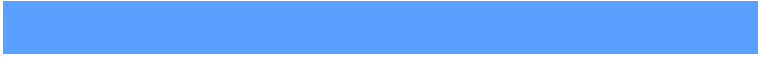
34.2404, 0.4770, 0.3545



34.2404, 0.2612, 0.4398

Complementary

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



34.2404, 0.2064, 0.2033



57.5254, 0.4470, 0.4224

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.



34.2404, 0.3397, 0.4847



34.2404, 0.2064, 0.2033



34.2404, 0.4676, 0.4153

Square

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



34.2404, 0.2064, 0.2033



34.2404, 0.4329, 0.2958



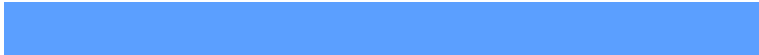
34.2404, 0.4153, 0.4674



34.2404, 0.2011, 0.3503

Rectangle

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



34.2404, 0.2064, 0.2033



34.2404, 0.3219, 0.2330



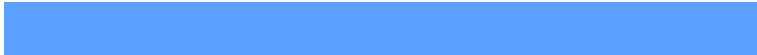
34.2404, 0.4153, 0.4674



34.2404, 0.2863, 0.4619

Sweetspot

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



34.2388, 0.2064, 0.2033



75.1684, 0.2823, 0.2988



77.3133, 0.2642, 0.4169



15.3775, 0.2775, 0.2937



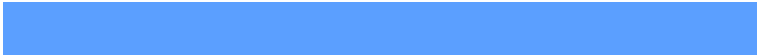
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



34.2388, 0.2064, 0.2033



26.9288, 0.1893, 0.1744



17.6706, 0.1944, 0.1246



18.6158, 0.2979, 0.3147



9.4150, 0.1695, 0.1303



1.1262, 0.1757, 0.1525

Inverse Universe

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



31.2345, 0.4320, 0.2634



26.2489, 0.4697, 0.2594



91.0328, 0.3925, 0.4826



18.1121, 0.3229, 0.3192



11.6784, 0.5323, 0.2706



1.1582, 0.5027, 0.2543

Previews

White Background



This preview shows how the Yxy color 34.2404, 0.2064, 0.2033 looks on a white background.

Color Contrast Check

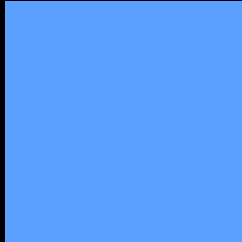
Large Text (above 18pt) WCAG AA × Fail

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 34.2404, 0.2064, 0.2033 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

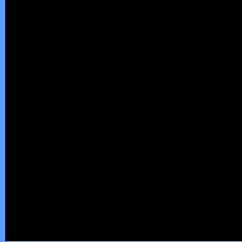
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

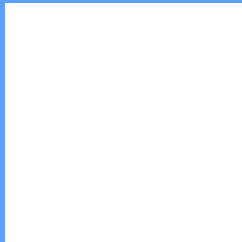
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.2404, 0.2064, 0.2033

Background



This preview shows how black text looks on a background with the Yxy color 34.2404, 0.2064, 0.2033.



This preview shows how white text looks on a background with the Yxy color 34.2404, 0.2064, 0.2033.

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

34.2404, 0.2064, 0.2033

Protanopia

34.0693, 0.2203, 0.2044

Deuteranopia

34.2704, 0.2090, 0.2028



Tritanopia

34.2319, 0.2268, 0.3059

Trichromacy



Original Color

34.2404, 0.2064, 0.2033

Protanomaly

34.0564, 0.2147, 0.2044

Deuteranomaly

34.1066, 0.2078, 0.2025

Tritanomaly

33.9520, 0.2178, 0.2622

Monochromacy



Original Color

34.2404, 0.2064, 0.2033

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.0804, 0.2621, 0.2760

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.2404, 0.2064, 0.2033 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(91, 159, 255)` looks like.

```
.text, #text, p{  
    color:rgb(91, 159, 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(91, 159, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 159, 255) }
```

Border

The CSS property to change the border of an element to Yxy 34.2404, 0.2064, 0.2033 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(91, 159, 255) }
```

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

```
.border{ border-color:rgb(91, 159, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 159, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 159, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 159, 255);  
box-shadow:4px 4px 4px 4px rgb(91, 159,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 34.2404, 0.2064, 0.2033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 159, 255) }
```

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

```
.background{ background-color: rgb(91, 159,  
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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