

Converting Colors

$Y_{xy}(34.9261, 0.2004, 0.2074)$

Have a look what the booklet for
Yxy(34.9261, 0.2004, 0.2074)
contains.

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Color

Yxy(35.0361, 0.2006, 0.2080)

Conversions

Conversions Part 1

Format	Color
Hex	45A4FF
RGB	69, 164, 255
RGB Percent	27%, 64%, 100%
CMY	0.7289, 0.3569, 0.0000
CMYK	0.73, 0.36, 0.00, 0.00
HSL	209°, 100%, 64%
HSV	209°, 73%, 100%
XYZ	33.7896, 35.0361, 99.6171
YIQ	145.9690, -85.8310, 8.1610

Conversions

Conversions Part 2

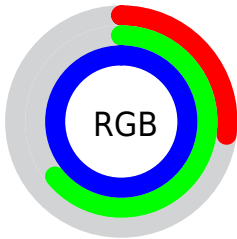
Format	Color
R _{YB}	69, 132, 255
Decimal	4564223
CIE Lab	65.78, 1.72, -53.16
CIE LCh	66, 53.191, 271.849
Yxy	35.0361, 0.2006, 0.2080
Android (android.graphics.Color)	4282754303 (0xFF45A4FF)
YUV	145.9690, 53.7523, -67.5018
Hunter-Lab	59.1913, -1.6872, -58.3493

Details

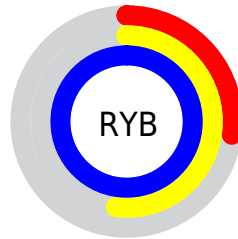
The Yxy color **35.0361, 0.2006, 0.2080** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **46.8804, 0.4834, 0.4127**, and the grayscale version is **28.5451, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.2863, 0.2436, 0.2862**, and **15.8875, 0.1837, 0.1813** is the 20% darker color. If you saturate the color by 10%, you get **30.0412, 0.1900, 0.1888**, and if you desaturate by 10%, it is **40.8683, 0.2134, 0.2274**.

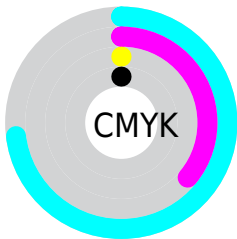
Distribution



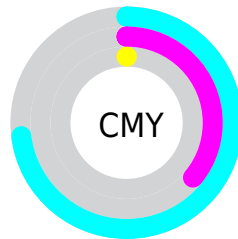
- Red (27%)
- Green (64%)
- Blue (100%)



- Red (27%)
- Yellow (52%)
- Blue (100%)



- Cyan (73%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)





- Cyan (73%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.0361, 0.2006, 0.2080 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 35.0361, 0.2006, 0.2080 by changing the saturation by 10% instead.


 35.0361, 0.2006,
0.2080


 35.0361, 0.2006,
0.2080


324.7276, 0.2556,
0.2671


 23.6907, 0.1877,
0.1943


 67.5417, 0.2201,
0.2288


 15.1043, 0.1719,
0.1774


 89.4707, 0.2275,
0.2369

 8.8926, 0.1521,
0.1564


 115.6963, 0.2339,
0.2437

 4.6712, 0.1271,
0.1300

 146.6029, 0.2395,
0.2497

 2.0557, 0.0956,
0.0969

182.5749, 0.2443,
0.2549

 0.6395, 0.0568,
0.0559

223.9968, 0.2485,

 0.0000, 0.0000,

0.2594

0.0000

271.2529, 0.2523,
0.2635

■ 35.0361, 0.2006,
0.2080

■ 35.0361, 0.2006,
0.2080

■ 30.0412, 0.1900,
0.1888

■ 40.8683, 0.2134,
0.2274

■ 25.8186, 0.1818,
0.1704

■ 47.5984, 0.2279,
0.2465

■ 23.2223, 0.1772,
0.1580

■ 55.2765, 0.2435,
0.2649

■ 63.9488, 0.2598,
0.2821

■ 73.6580, 0.2763,
0.2980

■ 84.4440, 0.2925,
0.3125

■ 96.3439, 0.3083,
0.3255

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.



35.0361, 0.1755, 0.2305



35.0361, 0.2006, 0.2080



35.0361, 0.2543, 0.2126

Triad

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



35.0361, 0.2006, 0.2080



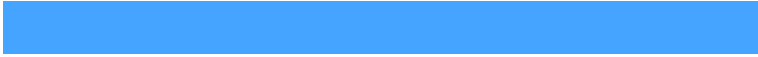
35.0361, 0.4667, 0.3420



35.0361, 0.2785, 0.4496

Complementary

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



35.0361, 0.2006, 0.2080



46.8804, 0.4834, 0.4127

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.



35.0361, 0.3558, 0.4801



35.0361, 0.2006, 0.2080



35.0361, 0.4688, 0.4013

Square

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



35.0361, 0.2006, 0.2080



35.0361, 0.4141, 0.2859



35.0361, 0.4258, 0.4546



35.0361, 0.2147, 0.3689

Rectangle

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



35.0361, 0.2006, 0.2080



35.0361, 0.3044, 0.2287



35.0361, 0.4258, 0.4546



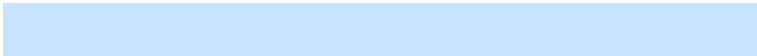
35.0361, 0.3038, 0.4669

Sweetspot

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



35.0351, 0.2006, 0.2080



74.5773, 0.2777, 0.2994



75.2916, 0.2700, 0.4570



15.3711, 0.2733, 0.2952



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.



35.0351, 0.2006, 0.2080



28.2182, 0.1863, 0.1812



13.1529, 0.1731, 0.0997



18.9106, 0.2979, 0.3171



12.4341, 0.1780, 0.1608



1.4294, 0.1837, 0.1811

Inverse Universe

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



28.2110, 0.4309, 0.2428



24.4429, 0.4652, 0.2419



91.2505, 0.4111, 0.4865



18.1418, 0.3214, 0.3169



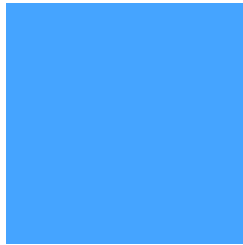
11.9832, 0.4920, 0.2484



1.1888, 0.4672, 0.2347

Previews

White Background



This preview shows how the Yxy color 35.0361, 0.2006, 0.2080 looks on a white background.

Color Contrast Check

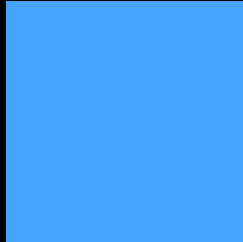
Large Text (above 18pt) WCAG AA × Fail

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 35.0361, 0.2006, 0.2080 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

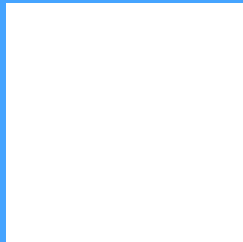
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.0361, 0.2006, 0.2080

Background



This preview shows how black text looks on a background with the Yxy color 35.0361, 0.2006, 0.2080.



This preview shows how white text looks on a background with the Yxy color 35.0361, 0.2006, 0.2080.

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

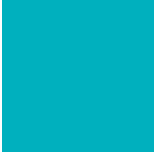
35.0361, 0.2006, 0.2080

Protanopia

34.9142, 0.2249, 0.2106

Deuteranopia

34.8411, 0.2111, 0.2047



Tritanopia

34.7684, 0.2183, 0.3058

Trichromacy



Original Color

35.0361, 0.2006, 0.2080

Protanomaly

34.7646, 0.2140, 0.2088

Deuteranomaly

34.8834, 0.2067, 0.2059

Tritanomaly

34.5668, 0.2088, 0.2645

Monochromacy



Original Color

35.0361, 0.2006, 0.2080

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

30.1792, 0.2550, 0.2776

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.0361, 0.2006, 0.2080 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(69, 164, 255)` looks like.

```
.text, #text, p{  
    color:rgb(69, 164, 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(69, 164, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 164, 255) }
```

Border

The CSS property to change the border of an element to Yxy 35.0361, 0.2006, 0.2080 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(69, 164, 255) }
```

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

```
.border{ border-color:rgb(69, 164, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 164, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 164, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 164, 255);  
box-shadow:4px 4px 4px 4px rgb(69, 164,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 35.0361, 0.2006, 0.2080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 164, 255) }
```

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

```
.background{ background-color: rgb(69, 164,  
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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