

Converting Colors

$Y_{xy}(35.7591, 0.2004, 0.2110)$

Have a look what the booklet for
Yxy(35.7591, 0.2004, 0.2110)
contains.

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Color

Yxy(35.6163, 0.2002, 0.2105)

Conversions

Conversions Part 1

Format	Color
Hex	41A6FF
RGB	65, 166, 255
RGB Percent	25%, 65%, 100%
CMY	0.7446, 0.3491, 0.0000
CMYK	0.74, 0.35, 0.00, 0.00
HSL	208°, 100%, 63%
HSV	208°, 74%, 100%
XYZ	33.8736, 35.6163, 99.7087
YIQ	145.9470, -88.7650, 6.2670

Conversions

Conversions Part 2

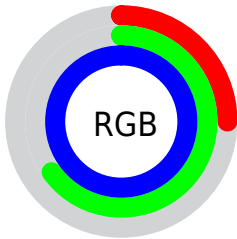
Format	Color
R _{YB}	65, 131, 255
Decimal	4302591
CIE _{Lab}	66.23, 0.07, -52.45
CIE _{LCh}	66, 52.449, 270.081
Yxy	35.6163, 0.2002, 0.2105
Android (android.graphics.Color)	4282492671 (0xFF41A6FF)
YUV	145.9470, 53.7631, -70.9905
Hunter-Lab	59.6794, -3.1237, -57.2826

Details

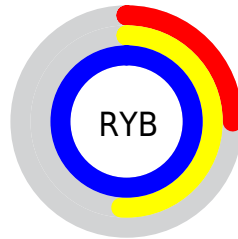
The Yxy color **35.6163, 0.2002, 0.2105** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **44.8000, 0.4915, 0.4095**, and the grayscale version is **28.5382, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.1671, 0.2431, 0.2886**, and **16.3387, 0.1847, 0.1849** is the 20% darker color. If you saturate the color by 10%, you get **30.7863, 0.1902, 0.1922**, and if you desaturate by 10%, it is **41.2433, 0.2124, 0.2291**.

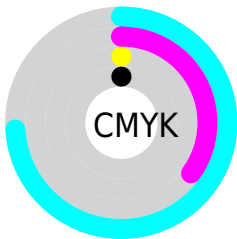
Distribution



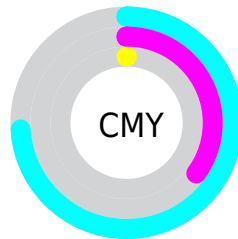
- Red (25%)
- Green (65%)
- Blue (100%)



- Red (25%)
- Yellow (51%)
- Blue (100%)



- Cyan (74%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)





- Cyan (74%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.6163, 0.2002, 0.2105 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 35.6163, 0.2002, 0.2105 by changing the saturation by 10% instead.


 35.6163, 0.2002,
0.2105


 35.6163, 0.2002,
0.2105


327.2803, 0.2553,
0.2685


 24.1380, 0.1874,
0.1970


 68.4394, 0.2196,
0.2310


 15.4360, 0.1716,
0.1803


 90.5530, 0.2271,
0.2388

 9.1260, 0.1518,
0.1596


 116.9805, 0.2335,
0.2456

 4.8234, 0.1269,
0.1334

 148.1063, 0.2391,
0.2514

 2.1440, 0.0957,
0.1005

184.3148, 0.2439,
0.2565

 0.6892, 0.0570,
0.0598

225.9904, 0.2482,

 0.0000, 0.0000,

0.2610

0.0000

273.5174, 0.2519,
0.2650

■ 35.6163, 0.2002,
0.2105

■ 35.6163, 0.2002,
0.2105

■ 30.7863, 0.1902,
0.1922

■ 41.2433, 0.2124,
0.2291

■ 26.6843, 0.1826,
0.1745

■ 47.7241, 0.2263,
0.2474

■ 24.6759, 0.1792,
0.1652

■ 55.1093, 0.2416,
0.2650

■ 63.4442, 0.2575,
0.2817

■ 72.7708, 0.2738,
0.2971

■ 83.1278, 0.2900,
0.3111

■ 94.5518, 0.3058,
0.3238

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.



35.6163, 0.1771, 0.2346



35.6163, 0.2002, 0.2105



35.6163, 0.2516, 0.2135

Triad

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



35.6163, 0.2002, 0.2105



35.6163, 0.4620, 0.3387



35.6163, 0.2836, 0.4504

Complementary

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



35.6163, 0.2002, 0.2105



44.8000, 0.4915, 0.4095

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.



35.6163, 0.3598, 0.4770



35.6163, 0.2002, 0.2105



35.6163, 0.4673, 0.3971

Square

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



35.6163, 0.2002, 0.2105



35.6163, 0.4079, 0.2837



35.6163, 0.4275, 0.4500



35.6163, 0.2195, 0.3734

Rectangle

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



35.6163, 0.2002, 0.2105



35.6163, 0.2999, 0.2286



35.6163, 0.4275, 0.4500



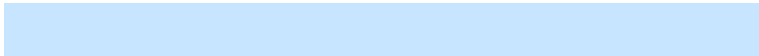
35.6163, 0.3087, 0.4662

Sweetspot

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



35.6165, 0.2002, 0.2105



75.2215, 0.2778, 0.3006



74.9724, 0.2712, 0.4647



15.5230, 0.2734, 0.2967



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.



35.6165, 0.2002, 0.2105



28.8384, 0.1865, 0.1840



12.9129, 0.1715, 0.0983



18.9755, 0.2979, 0.3176



13.1956, 0.1800, 0.1679



1.5036, 0.1855, 0.1876

Inverse Universe

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



27.8080, 0.4289, 0.2384



24.2503, 0.4623, 0.2383



89.1912, 0.4143, 0.4863



18.1484, 0.3211, 0.3164



12.0601, 0.4832, 0.2435



1.1963, 0.4596, 0.2305

Previews

White Background



This preview shows how the Yxy color 35.6163, 0.2002, 0.2105 looks on a white background.

Color Contrast Check

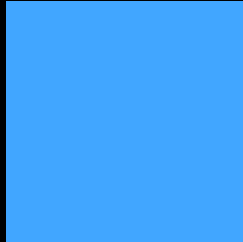
Large Text (above 18pt) WCAG AA × Fail

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 35.6163, 0.2002, 0.2105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

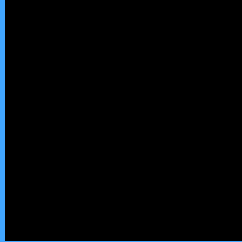
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

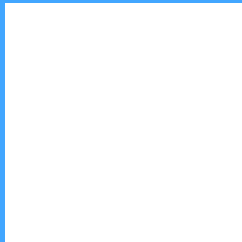
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.6163, 0.2002, 0.2105

Background



This preview shows how black text looks on a background with the Yxy color 35.6163, 0.2002, 0.2105.



This preview shows how white text looks on a background with the Yxy color 35.6163, 0.2002, 0.2105.

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

35.6163, 0.2002, 0.2105

Protanopia

35.3414, 0.2268, 0.2132

Deuteranopia

35.3649, 0.2127, 0.2064



Tritanopia

35.6466, 0.2183, 0.3060

Trichromacy



Original Color

35.6163, 0.2002, 0.2105

Protanomaly

35.0470, 0.2147, 0.2111

Deuteranomaly

35.2848, 0.2074, 0.2074

Tritanomaly

35.3726, 0.2092, 0.2664

Monochromacy



Original Color

35.6163, 0.2002, 0.2105

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

30.1095, 0.2543, 0.2775

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.6163, 0.2002, 0.2105 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(65, 166, 255)` looks like.

```
.text, #text, p{  
    color:rgb(65, 166, 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(65, 166, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 166, 255) }
```

Border

The CSS property to change the border of an element to Yxy 35.6163, 0.2002, 0.2105 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(65, 166, 255) }
```

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

```
.border{ border-color:rgb(65, 166, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 166, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 166, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 166, 255);  
box-shadow:4px 4px 4px 4px rgb(65, 166,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 35.6163, 0.2002, 0.2105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 166, 255) }
```

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

```
.background{ background-color: rgb(65, 166,  
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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