

Converting Colors

$Yxy(35.8185, 0.2034, 0.2106)$

Have a look what the booklet for
Yxy(35.8185, 0.2034, 0.2106)
contains.

Yxy(35.7080, 0.2034, 0.2101)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(35.7080, 0.2034, 0.2101)

Conversions

Conversions Part 1

Format	Color
Hex	4DA5FF
RGB	77, 165, 255
RGB Percent	30%, 65%, 100%
CMY	0.6978, 0.3530, 0.0000
CMYK	0.70, 0.35, 0.00, 0.00
HSL	210°, 100%, 65%
HSV	210°, 70%, 100%
XYZ	34.5693, 35.7080, 99.6799
YIQ	148.9480, -81.3380, 9.3340

Conversions

Conversions Part 2

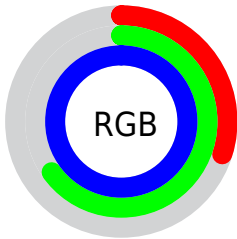
Format	Color
RYB	77, 136, 255
Decimal	5088767
CIELab	66.30, 2.18, -52.31
CIELCh	66, 52.354, 272.388
Yxy	35.7080, 0.2034, 0.2101
Android (android.graphics.Color)	4283278847 (0xFF4DA5FF)
YUV	148.9480, 52.2836, -63.0984
Hunter-Lab	59.7562, -1.3100, -57.0729

Details

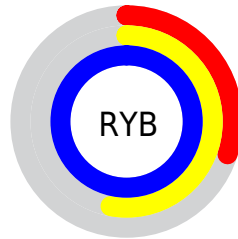
The Yxy color **35.7080, 0.2034, 0.2101** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **49.4607, 0.4722, 0.4140**, and the grayscale version is **29.8412, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.3357, 0.2466, 0.2877**, and **16.1118, 0.1842, 0.1831** is the 20% darker color. If you saturate the color by 10%, you get **30.4263, 0.1918, 0.1902**, and if you desaturate by 10%, it is **41.8765, 0.2170, 0.2301**.

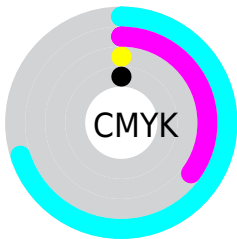
Distribution



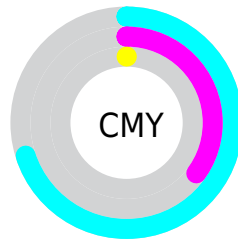
- Red (30%)
- Green (65%)
- Blue (100%)



- Red (30%)
- Yellow (53%)
- Blue (100%)



- Cyan (70%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)





- Cyan (70%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.7080, 0.2034, 0.2101 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 35.7080, 0.2034, 0.2101 by changing the saturation by 10% instead.


 35.7080, 0.2034,
0.2101


 35.7080, 0.2034,
0.2101


327.6825, 0.2571,
0.2681


 24.2088, 0.1908,
0.1966


 68.5811, 0.2224,
0.2305

 15.4886, 0.1753,
0.1801


 90.7238, 0.2297,
0.2384

 9.1630, 0.1559,
0.1594


 117.1831, 0.2359,
0.2451

 4.8476, 0.1313,
0.1333

 148.3434, 0.2413,
0.2510

 2.1581, 0.1002,
0.1006

184.5891, 0.2460,
0.2561

 0.6970, 0.0618,
0.0602

226.3046, 0.2501,

 0.0000, 0.0000,

0.2606

0.0000

273.8742, 0.2538,
0.2645

■ 35.7080, 0.2034,
0.2101

■ 35.7080, 0.2034,
0.2101

■ 30.4263, 0.1918,
0.1902

■ 41.8765, 0.2170,
0.2301

■ 25.9629, 0.1827,
0.1710

■ 48.9856, 0.2322,
0.2497

■ 22.2218, 0.1759,
0.1529

■ 57.0868, 0.2483,
0.2683

■ 22.1446, 0.1757,
0.1525

■ 66.2265, 0.2648,
0.2858

■ 76.4474, 0.2813,
0.3018

■ 87.7896, 0.2975,
0.3163

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.



35.7080, 0.1782, 0.2319



35.7080, 0.2034, 0.2101



35.7080, 0.2568, 0.2150

Triad

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



35.7080, 0.2034, 0.2101



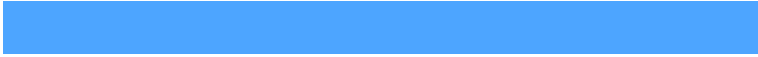
35.7080, 0.4639, 0.3431



35.7080, 0.2781, 0.4455

Complementary

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



35.7080, 0.2034, 0.2101



49.4607, 0.4722, 0.4140

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.



35.7080, 0.3539, 0.4767



35.7080, 0.2034, 0.2101



35.7080, 0.4653, 0.4014

Square

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



35.7080, 0.2034, 0.2101



35.7080, 0.4132, 0.2877



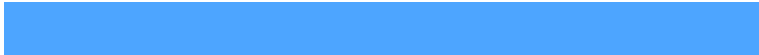
35.7080, 0.4228, 0.4531



35.7080, 0.2158, 0.3665

Rectangle

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



35.7080, 0.2034, 0.2101



35.7080, 0.3061, 0.2311



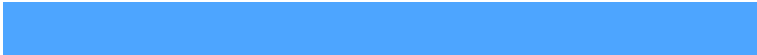
35.7080, 0.4228, 0.4531



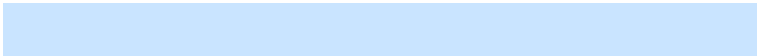
35.7080, 0.3029, 0.4627

Sweetspot

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



35.7090, 0.2034, 0.2101



75.1386, 0.2793, 0.2999



75.8550, 0.2691, 0.4465



15.4631, 0.2748, 0.2956



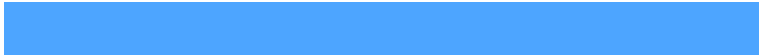
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



35.7090, 0.2034, 0.2101



28.4459, 0.1876, 0.1820



14.1177, 0.1775, 0.1054



18.8603, 0.2979, 0.3167



11.8687, 0.1765, 0.1554



1.3738, 0.1823, 0.1762

Inverse Universe

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



29.2936, 0.4275, 0.2471



24.9277, 0.4635, 0.2445



93.3168, 0.4068, 0.4846



18.1368, 0.3216, 0.3173



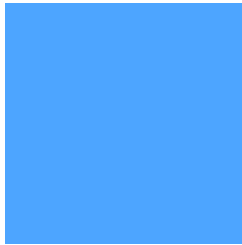
11.9261, 0.4989, 0.2522



1.1832, 0.4732, 0.2380

Previews

White Background



This preview shows how the Yxy color 35.7080, 0.2034, 0.2101 looks on a white background.

Color Contrast Check

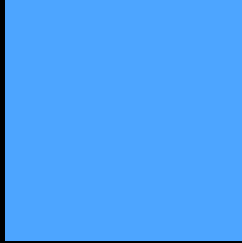
Large Text (above 18pt) WCAG AA × Fail

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 35.7080, 0.2034, 0.2101 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

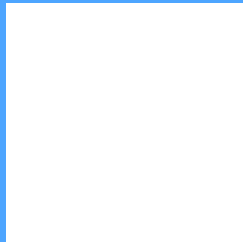
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.7080, 0.2034, 0.2101

Background



This preview shows how black text looks on a background with the Yxy color 35.7080, 0.2034, 0.2101.



This preview shows how white text looks on a background with the Yxy color 35.7080, 0.2034, 0.2101.

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

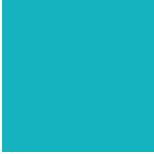
35.7080, 0.2034, 0.2101

Protanopia

35.4033, 0.2263, 0.2122

Deuteranopia

35.4258, 0.2132, 0.2066



Tritanopia

35.8060, 0.2201, 0.3061

Trichromacy



Original Color

35.7080, 0.2034, 0.2101

Protanomaly

35.3579, 0.2162, 0.2107

Deuteranomaly

35.4936, 0.2090, 0.2079

Tritanomaly

35.2649, 0.2115, 0.2651

Monochromacy



Original Color

35.7080, 0.2034, 0.2101

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

31.2845, 0.2578, 0.2785

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.7080, 0.2034, 0.2101 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(77, 165, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 165, 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(77, 165, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 165, 255) }
```

Border

The CSS property to change the border of an element to Yxy 35.7080, 0.2034, 0.2101 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(77, 165, 255) }
```

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

```
.border{ border-color:rgb(77, 165, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 165, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 165, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 165, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 165,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 35.7080, 0.2034, 0.2101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 165, 255) }
```

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

```
.background{ background-color: rgb(77, 165,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor