

Converting Colors

$Y_{xy}(34.6918, 0.2054, 0.2055)$

Have a look what the booklet for
Yxy(34.6918, 0.2054, 0.2055)
contains.

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Color

Yxy(34.7360, 0.2055, 0.2056)

Conversions

Conversions Part 1

Format	Color
Hex	57A1FF
RGB	87, 161, 255
RGB Percent	34%, 63%, 100%
CMY	0.6592, 0.3686, 0.0000
CMYK	0.66, 0.37, 0.00, 0.00
HSL	214°, 100%, 67%
HSV	214°, 66%, 100%
XYZ	34.7191, 34.7360, 99.4943
YIQ	149.5900, -74.2780, 13.5460

Conversions

Conversions Part 2

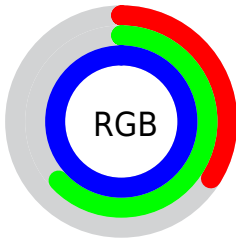
Format	Color
R _Y B	87, 138, 255
Decimal	5743103
CIE Lab	65.54, 5.94, -53.49
CIE LCh	66, 53.816, 276.341
Yxy	34.7360, 0.2055, 0.2056
Android (android.graphics.Color)	4283933183 (0xFF57A1FF)
YUV	149.5900, 51.9671, -54.8914
Hunter-Lab	58.9373, 2.0116, -58.8337

Details

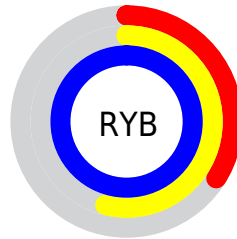
The Yxy color **34.7360, 0.2055, 0.2056** is a light color, and the websafe version is hex **3399FF**. The color can be described as light muted azure. A complement of this color would be **54.9447, 0.4543, 0.4199**, and the grayscale version is **30.1062, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.4002, 0.2491, 0.2820**, and **15.2291, 0.1822, 0.1760** is the 20% darker color. If you saturate the color by 10%, you get **29.0171, 0.1924, 0.1836**, and if you desaturate by 10%, it is **41.4565, 0.2205, 0.2276**.

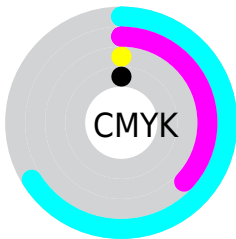
Distribution



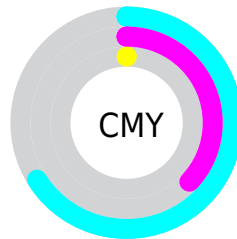
- Red (34%)
- Green (63%)
- Blue (100%)



- Red (34%)
- Yellow (54%)
- Blue (100%)



- Cyan (66%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)





- Cyan (66%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.7360, 0.2055, 0.2056 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 34.7360, 0.2055, 0.2056 by changing the saturation by 10% instead.


 34.7360, 0.2055,
0.2056


 34.7360, 0.2055,
0.2056


323.4015, 0.2585,
0.2655


 23.4596, 0.1930,
0.1918


 67.0766, 0.2243,
0.2266

 14.9332, 0.1776,
0.1748


 88.9095, 0.2315,
0.2348

 8.7725, 0.1582,
0.1537


 115.0301, 0.2377,
0.2417

 4.5931, 0.1335,
0.1274

 145.8228, 0.2430,
0.2478

 2.0106, 0.1022,
0.0945

181.6718, 0.2476,
0.2531

 0.6136, 0.0635,
0.0535

222.9617, 0.2517,

 0.0000, 0.0000,

0.2577

0.0000

270.0768, 0.2553,
0.2618

■ 34.7360, 0.2055,
0.2056

■ 34.7360, 0.2055,
0.2056

■ 29.0171, 0.1924,
0.1836

■ 41.4565, 0.2205,
0.2276

■ 24.2322, 0.1816,
0.1624

■ 49.2371, 0.2368,
0.2490

■ 20.3019, 0.1736,
0.1428

■ 58.1317, 0.2538,
0.2693

■ 18.9045, 0.1709,
0.1352

■ 68.1895, 0.2708,
0.2881

■ 79.4565, 0.2875,
0.3053

91.9759, 0.3036,
0.3207

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.



34.7360, 0.1759, 0.2238



34.7360, 0.2055, 0.2056



34.7360, 0.2640, 0.2140

Triad

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



34.7360, 0.2055, 0.2056



34.7360, 0.4726, 0.3508



34.7360, 0.2668, 0.4417

Complementary

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



34.7360, 0.2055, 0.2056



54.9447, 0.4543, 0.4199

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.



34.7360, 0.3444, 0.4820



34.7360, 0.2055, 0.2056



34.7360, 0.4668, 0.4107

Square

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



34.7360, 0.2055, 0.2056



34.7360, 0.4263, 0.2932



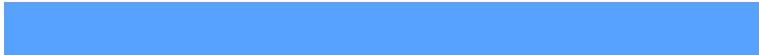
34.7360, 0.4177, 0.4625



34.7360, 0.2060, 0.3556

Rectangle

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



34.7360, 0.2055, 0.2056



34.7360, 0.3167, 0.2325



34.7360, 0.4177, 0.4625



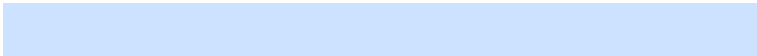
34.7360, 0.2918, 0.4621

Sweetspot

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



34.7362, 0.2055, 0.2056



74.7153, 0.2808, 0.2985



76.8101, 0.2661, 0.4272



15.3180, 0.2761, 0.2936



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.



34.7362, 0.2055, 0.2056



27.4492, 0.1888, 0.1770



16.4681, 0.1884, 0.1184



18.6958, 0.2979, 0.3154



10.1640, 0.1717, 0.1382



1.2030, 0.1778, 0.1601

Inverse Universe

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



30.6329, 0.4304, 0.2582



25.8209, 0.4675, 0.2544



91.9069, 0.3977, 0.4829



18.1202, 0.3225, 0.3186



11.7540, 0.5214, 0.2646



1.1660, 0.4930, 0.2489

Previews

White Background



This preview shows how the Yxy color 34.7360, 0.2055, 0.2056 looks on a white background.

Color Contrast Check

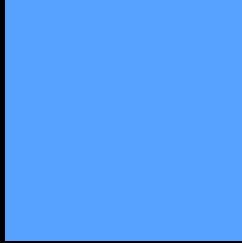
Large Text (above 18pt) WCAG AA × Fail

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 34.7360, 0.2055, 0.2056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

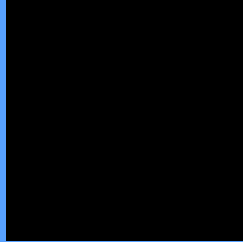
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

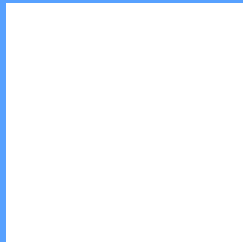
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.7360, 0.2055, 0.2056

Background



This preview shows how black text looks on a background with the Yxy color 34.7360, 0.2055, 0.2056.



This preview shows how white text looks on a background with the Yxy color 34.7360, 0.2055, 0.2056.

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

34.7360, 0.2055, 0.2056

Protanopia

34.5558, 0.2226, 0.2071

Deuteranopia

34.7830, 0.2106, 0.2046



Tritanopia

34.9149, 0.2248, 0.3060

Trichromacy



Original Color

34.7360, 0.2055, 0.2056

Protanomaly

34.4572, 0.2155, 0.2059

Deuteranomaly

34.8484, 0.2088, 0.2053

Tritanomaly

34.5456, 0.2161, 0.2637

Monochromacy



Original Color

34.7360, 0.2055, 0.2056

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.2541, 0.2607, 0.2773

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7360, 0.2055, 0.2056 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(87, 161, 255)` looks like.

```
.text, #text, p{  
    color:rgb(87, 161, 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(87, 161, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 161, 255) }
```

Border

The CSS property to change the border of an element to Yxy 34.7360, 0.2055, 0.2056 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(87, 161, 255) }
```

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

```
.border{ border-color:rgb(87, 161, 255) }
```

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

Here you see how a box with a 4 pixel rgb(87, 161, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 161, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 161, 255);  
box-shadow:4px 4px 4px 4px rgb(87, 161,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7360, 0.2055, 0.2056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 161, 255) }
```

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

```
.background{ background-color: rgb(87, 161,  
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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