

Converting Colors

$Y_{xy}(35.3687, 0.2008, 0.2094)$

Have a look what the booklet for
Yxy(35.3687, 0.2008, 0.2094)
contains.

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Color

Yxy(35.3955, 0.2009, 0.2094)

Conversions

Conversions Part 1

Format	Color
Hex	45A5FF
RGB	69, 165, 255
RGB Percent	27%, 65%, 100%
CMY	0.7297, 0.3529, 0.0000
CMYK	0.73, 0.35, 0.00, 0.00
HSL	209°, 100%, 64%
HSV	209°, 73%, 100%
XYZ	33.9587, 35.3955, 99.6787
YIQ	146.5560, -86.1060, 7.6380

Conversions

Conversions Part 2

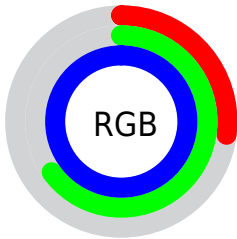
Format	Color
R _{YB}	69, 132, 255
Decimal	4564479
CIE Lab	66.06, 1.11, -52.72
CIE LCh	66, 52.734, 271.201
Yxy	35.3955, 0.2009, 0.2094
Android (android.graphics.Color)	4282754559 (0xFF45A5FF)
YUV	146.5560, 53.4629, -68.0166
Hunter-Lab	59.4941, -2.2285, -57.6909

Details

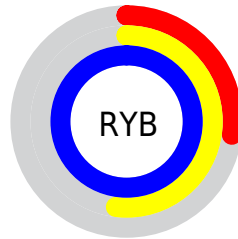
The Yxy color **35.3955, 0.2009, 0.2094** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **46.4545, 0.4847, 0.4116**, and the grayscale version is **28.7778, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.8097, 0.2438, 0.2874**, and **16.1118, 0.1842, 0.1831** is the 20% darker color. If you saturate the color by 10%, you get **30.4182, 0.1904, 0.1905**, and if you desaturate by 10%, it is **41.1997, 0.2136, 0.2286**.

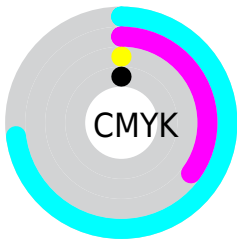
Distribution



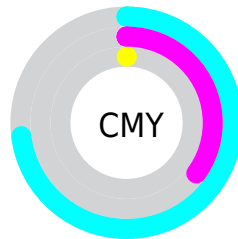
- Red (27%)
- Green (65%)
- Blue (100%)



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



- Cyan (73%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)





- Cyan (73%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.3955, 0.2009, 0.2094 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 35.3955, 0.2009, 0.2094 by changing the saturation by 10% instead.


 35.3955, 0.2009,
0.2094


 35.3955, 0.2009,
0.2094


326.3106, 0.2557,
0.2679

 23.9677, 0.1881,
0.1958


 68.0980, 0.2203,
0.2300

 15.3097, 0.1723,
0.1791


 90.1415, 0.2277,
0.2379

 9.0370, 0.1526,
0.1582


 116.4923, 0.2341,
0.2447

 4.7653, 0.1277,
0.1320

 147.5349, 0.2396,
0.2506

 2.1102, 0.0964,
0.0990

183.6537, 0.2444,
0.2558

 0.6704, 0.0577,
0.0583

225.2329, 0.2486,

 0.0000, 0.0000,

0.2603

0.0000

272.6571, 0.2524,
0.2643

■ 35.3955, 0.2009,
0.2094

■ 35.3955, 0.2009,
0.2094

■ 30.4182, 0.1904,
0.1905

■ 41.1997, 0.2136,
0.2286

■ 26.2036, 0.1822,
0.1722

■ 47.8914, 0.2280,
0.2474

■ 23.6346, 0.1778,
0.1600

■ 55.5201, 0.2435,
0.2655

■ 64.1316, 0.2598,
0.2826

■ 73.7683, 0.2762,
0.2983

■ 84.4696, 0.2924,
0.3126

■ 96.2724, 0.3082,
0.3254

■ 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.



35.3955, 0.1767, 0.2324



35.3955, 0.2009, 0.2094



35.3955, 0.2536, 0.2134

Triad

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



35.3955, 0.2009, 0.2094



35.3955, 0.4643, 0.3408



35.3955, 0.2806, 0.4493

Complementary

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



35.3955, 0.2009, 0.2094



46.4545, 0.4847, 0.4116

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.



35.3955, 0.3572, 0.4783



35.3955, 0.2009, 0.2094



35.3955, 0.4676, 0.3996

Square

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



35.3955, 0.2009, 0.2094



35.3955, 0.4114, 0.2853



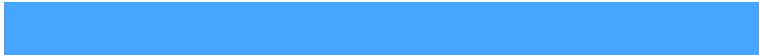
35.3955, 0.4260, 0.4524



35.3955, 0.2169, 0.3703

Rectangle

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



35.3955, 0.2009, 0.2094



35.3955, 0.3028, 0.2291



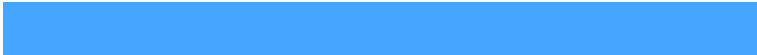
35.3955, 0.4260, 0.4524



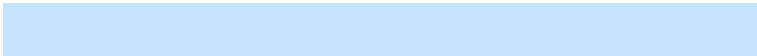
35.3955, 0.3057, 0.4659

Sweetspot

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



35.3944, 0.2009, 0.2094



74.7630, 0.2778, 0.2997



75.2804, 0.2700, 0.4572



15.4148, 0.2733, 0.2956



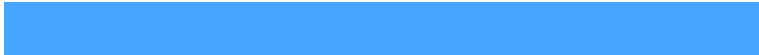
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



35.3944, 0.2009, 0.2094



28.2095, 0.1860, 0.1812



13.1193, 0.1730, 0.0995



18.9293, 0.2979, 0.3172



12.6502, 0.1786, 0.1629



1.4505, 0.1842, 0.1830

Inverse Universe

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



28.2228, 0.4295, 0.2417



24.3093, 0.4654, 0.2410



91.2458, 0.4111, 0.4866



18.1437, 0.3213, 0.3168



12.0050, 0.4895, 0.2470



1.1910, 0.4650, 0.2335

Previews

White Background



This preview shows how the Yxy color 35.3955, 0.2009, 0.2094 looks on a white background.

Color Contrast Check

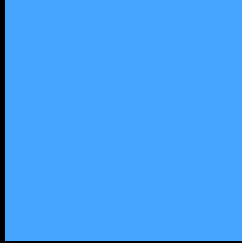
Large Text (above 18pt) WCAG AA × Fail

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 35.3955, 0.2009, 0.2094 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

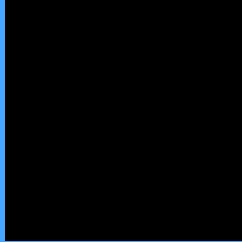
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

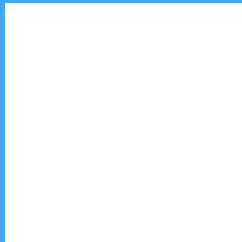
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.3955, 0.2009, 0.2094

Background



This preview shows how black text looks on a background with the Yxy color 35.3955, 0.2009, 0.2094.



This preview shows how white text looks on a background with the Yxy color 35.3955, 0.2009, 0.2094.

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

35.3955, 0.2009, 0.2094

Protanopia

34.9280, 0.2260, 0.2117

Deuteranopia

35.3047, 0.2123, 0.2063



Tritanopia

35.2059, 0.2183, 0.3059

Trichromacy



Original Color

35.3955, 0.2009, 0.2094

Protanomaly

34.7017, 0.2144, 0.2097

Deuteranomaly

35.2848, 0.2074, 0.2074

Tritanomaly

34.9489, 0.2092, 0.2661

Monochromacy



Original Color

35.3955, 0.2009, 0.2094

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.5783, 0.2560, 0.2793

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.3955, 0.2009, 0.2094 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, 165, 255)` looks like.

```
.text, #text, p{  
    color:rgb(69, 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(69, 165, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 165, 255) }
```

Border

The CSS property to change the border of an element to Yxy 35.3955, 0.2009, 0.2094 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, 165, 255) }
```

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

```
.border{ border-color:rgb(69, 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(69, 165, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 165, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 165, 255);  
box-shadow:4px 4px 4px 4px rgb(69, 165,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 35.3955, 0.2009, 0.2094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 165, 255) }
```

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

```
.background{ background-color: rgb(69, 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](#).

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