

Converting Colors

$Yxy(39.4129, 0.2066, 0.2238)$

Have a look what the booklet for
Yxy(39.4129, 0.2066, 0.2238)
contains.

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Color

Yxy(39.4164, 0.2065, 0.2239)

Conversions

Conversions Part 1

Format	Color
Hex	4CAFFF
RGB	76, 175, 255
RGB Percent	30%, 69%, 100%
CMY	0.7021, 0.3137, 0.0001
CMYK	0.70, 0.31, 0.00, 0.00
HSL	207°, 100%, 65%
HSV	207°, 70%, 100%
XYZ	36.3532, 39.4164, 100.2750
YIQ	154.5190, -84.6840, 3.8920

Conversions

Conversions Part 2

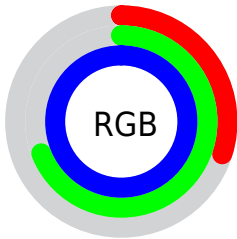
Format	Color
R _Y B	76, 140, 255
Decimal	5025791
CIE Lab	69.05, -3.66, -47.94
CIE LCh	69, 48.083, 265.635
Yxy	39.4164, 0.2065, 0.2239
Android (android.graphics.Color)	4283215871 (0xFF4CAFFF)
YUV	154.5190, 49.5371, -68.8612
Hunter-Lab	62.7825, -6.5117, -50.7492

Details

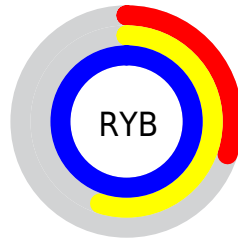
The Yxy color **39.4164, 0.2065, 0.2239** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **45.5232, 0.4828, 0.4040**, and the grayscale version is **32.3561, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.6533, 0.2482, 0.2998**, and **18.2431, 0.1887, 0.1993** is the 20% darker color. If you saturate the color by 10%, you get **34.3247, 0.1959, 0.2063**, and if you desaturate by 10%, it is **45.2981, 0.2192, 0.2415**.

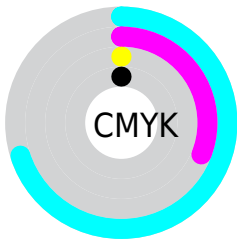
Distribution



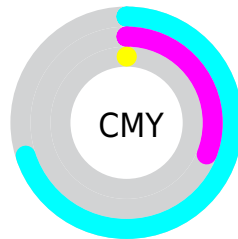
- Red (30%)
- Green (69%)
- Blue (100%)



- Red (30%)
- Yellow (55%)
- Blue (100%)



- Cyan (70%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)





- Cyan (70%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.4164, 0.2065, 0.2239 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 39.4164, 0.2065, 0.2239 by changing the saturation by 10% instead.


 39.4164, 0.2065,
0.2239


 39.4164, 0.2065,
0.2239


343.6576, 0.2580,
0.2754

 27.0838, 0.1946,
0.2118


 74.2740, 0.2246,
0.2421

 17.6362, 0.1798,
0.1968


 97.5678, 0.2316,
0.2491

 10.6891, 0.1614,
0.1779


 125.2842, 0.2376,
0.2551

 5.8582, 0.1380,
0.1538

 157.8074, 0.2428,
0.2603

 2.7590, 0.1082,
0.1225

195.5220, 0.2473,
0.2648

 1.0073, 0.0709,
0.0827

238.8123, 0.2513,

 0.0000, 0.0000,

0.2688

0.0000

288.0627, 0.2548,
0.2723

■ 39.4164, 0.2065,
0.2239

■ 39.4164, 0.2065,
0.2239

■ 34.3247, 0.1959,
0.2063

■ 45.2981, 0.2192,
0.2415

■ 29.9575, 0.1875,
0.1890

■ 52.0182, 0.2334,
0.2587

■ 26.2939, 0.1814,
0.1729

■ 59.6249, 0.2487,
0.2750

■ 68.1605, 0.2647,
0.2903

■ 77.6641, 0.2808,
0.3044

■ 88.1724, 0.2968,
0.3173

99.7196, 0.3124,
0.3288

99.9982, 0.3127,
0.3290

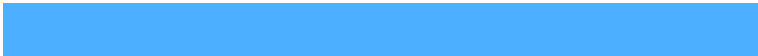
Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.4164, 0.1892, 0.2507



39.4164, 0.2065, 0.2239



39.4164, 0.2498, 0.2227

Triad

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



39.4164, 0.2065, 0.2239



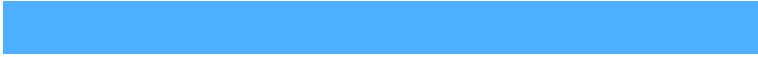
39.4164, 0.4405, 0.3314



39.4164, 0.2978, 0.4418

Complementary

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



39.4164, 0.2065, 0.2239



45.5232, 0.4828, 0.4040

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.



39.4164, 0.3662, 0.4591



39.4164, 0.2065, 0.2239



39.4164, 0.4529, 0.3846

Square

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



39.4164, 0.2065, 0.2239



39.4164, 0.3875, 0.2820



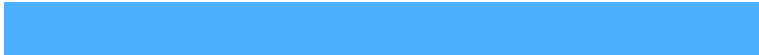
39.4164, 0.4237, 0.4327



39.4164, 0.2370, 0.3797

Rectangle

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



39.4164, 0.2065, 0.2239



39.4164, 0.2915, 0.2344



39.4164, 0.4237, 0.4327



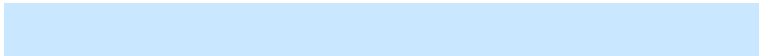
39.4164, 0.3207, 0.4533

Sweetspot

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



39.4177, 0.2065, 0.2239



76.8976, 0.2795, 0.3034



75.3539, 0.2741, 0.4639



15.8809, 0.2751, 0.2996



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.



39.4177, 0.2065, 0.2239



32.5963, 0.1924, 0.1997



15.7138, 0.1795, 0.1151



19.0446, 0.2979, 0.3181



14.0452, 0.1821, 0.1756



1.5857, 0.1874, 0.1945

Inverse Universe

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



29.5127, 0.4137, 0.2368



25.3467, 0.4434, 0.2326



85.8991, 0.4145, 0.4773



18.1554, 0.3207, 0.3159



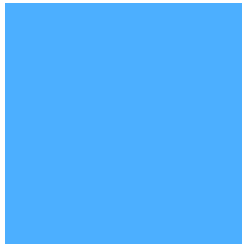
12.1458, 0.4738, 0.2384



1.2046, 0.4515, 0.2261

Previews

White Background



This preview shows how the Yxy color 39.4164, 0.2065, 0.2239 looks on a white background.

Color Contrast Check

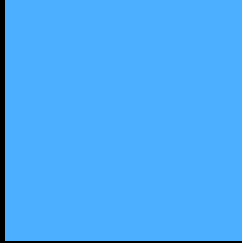
Large Text (above 18pt) WCAG AA × Fail

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 39.4164, 0.2065, 0.2239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

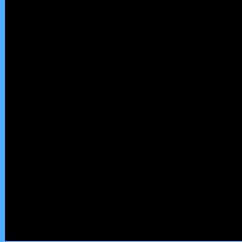
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

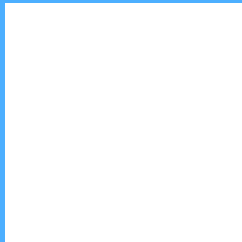
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.4164, 0.2065, 0.2239

Background



This preview shows how black text looks on a background with the Yxy color 39.4164, 0.2065, 0.2239.



This preview shows how white text looks on a background with the Yxy color 39.4164, 0.2065, 0.2239.

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

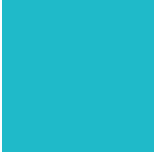
39.4164, 0.2065, 0.2239

Protanopia

39.1395, 0.2369, 0.2267

Deuteranopia

39.1425, 0.2240, 0.2182



Tritanopia

39.6262, 0.2210, 0.3055

Trichromacy



Original Color

39.4164, 0.2065, 0.2239

Protanomaly

38.9974, 0.2236, 0.2258

Deuteranomaly

39.0953, 0.2166, 0.2200

Tritanomaly

39.2807, 0.2141, 0.2717

Monochromacy



Original Color

39.4164, 0.2065, 0.2239

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

34.0379, 0.2595, 0.2856

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.4164, 0.2065, 0.2239 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(76, 175, 255)` looks like.

```
.text, #text, p{  
    color:rgb(76, 175, 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(76, 175, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 175, 255) }
```

Border

The CSS property to change the border of an element to Yxy 39.4164, 0.2065, 0.2239 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(76, 175, 255) }
```

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

```
.border{ border-color:rgb(76, 175, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 175, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 175, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 175, 255);  
box-shadow:4px 4px 4px 4px rgb(76, 175,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 39.4164, 0.2065, 0.2239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 175, 255) }
```

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

```
.background{ background-color: rgb(76, 175,  
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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