

Converting Colors

$Yxy(39.4289, 0.2166, 0.2244)$

Have a look what the booklet for
Yxy(39.4289, 0.2166, 0.2244)
contains.

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Color

Yxy(39.5400, 0.2167, 0.2243)

Conversions

Conversions Part 1

Format	Color
Hex	68ACFD
RGB	104, 172, 253
RGB Percent	41%, 67%, 99%
CMY	0.5917, 0.3255, 0.0079
CMYK	0.59, 0.32, 0.00, 0.01
HSL	213°, 97%, 70%
HSV	213°, 59%, 99%
XYZ	38.2003, 39.5400, 98.5415
YIQ	160.9020, -66.5290, 10.7750

Conversions

Conversions Part 2

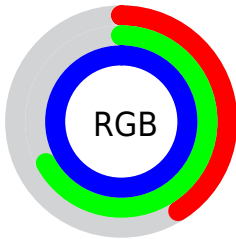
Format	Color
RYB	104, 151, 253
Decimal	6860029
CIELab	69.14, 2.00, -46.66
CIElCh	69, 46.705, 272.458
Yxy	39.5400, 0.2167, 0.2243
Android (android.graphics.Color)	4285050109 (0xFF68ACFD)
YUV	160.9020, 45.4043, -49.9031
Hunter-Lab	62.8808, -1.6023, -48.8977

Details

The Yxy color **39.5400, 0.2167, 0.2243** is a light color, and the websafe version is hex **3399FF**. A complement of this color would be **56.6372, 0.4379, 0.4107**, and the grayscale version is **35.4146, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.1575, 0.2585, 0.2971**, and **17.6797, 0.1918, 0.1973** is the 20% darker color. If you saturate the color by 10%, you get **33.2745, 0.2024, 0.2028**, and if you desaturate by 10%, it is **46.8053, 0.2325, 0.2453**.

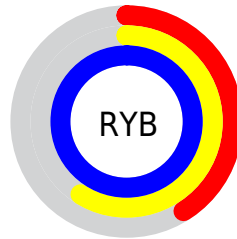
Distribution



Red (41%)

Green (67%)

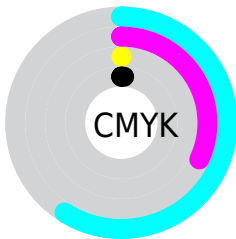
Blue (99%)



Red (41%)

Yellow (59%)

Blue (99%)

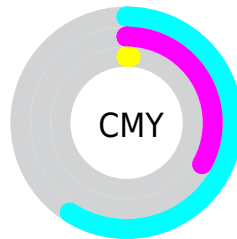


Cyan (59%)

Magenta (32%)

Yellow (0%)

Black (1%)



Cyan (59%)


Magenta (33%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.5400, 0.2167, 0.2243 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 39.5400, 0.2167, 0.2243 by changing the saturation by 10% instead.


 39.5400, 0.2167,
0.2243


 39.5400, 0.2167,
0.2243


344.1809, 0.2637,
0.2752


 27.1801, 0.2056,
0.2124


 74.4625, 0.2333,
0.2423

 17.7085, 0.1919,
0.1977


 97.7939, 0.2397,
0.2492

 10.7409, 0.1746,
0.1791


 125.5513, 0.2452,
0.2551

 5.8929, 0.1523,
0.1554

158.1189, 0.2499,
0.2602

 2.7801, 0.1232,
0.1246

195.8813, 0.2540,
0.2647

 1.0180, 0.0854,
0.0851

239.2229, 0.2576,

 0.0000, 0.0000,

0.2686

0.0000

288.5279, 0.2608,
0.2721

■ 39.5400, 0.2167,
0.2243

■ 39.5400, 0.2167,
0.2243

■ 33.2745, 0.2024,
0.2028

■ 46.8053, 0.2325,
0.2453

■ 27.9462, 0.1901,
0.1815

■ 55.1187, 0.2491,
0.2654

■ 23.4895, 0.1802,
0.1611

■ 64.5299, 0.2660,
0.2841

■ 19.8137, 0.1730,
0.1421

■ 75.0835, 0.2827,
0.3012

■ 19.4273, 0.1722,
0.1400

■ 86.8213, 0.2990,
0.3167

99.6080, 0.3139,
0.3305

99.8715, 0.3139,
0.3309

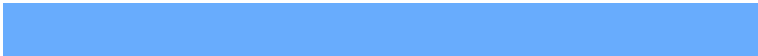
Harmonies

Analogous

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



39.5400, 0.1939, 0.2447



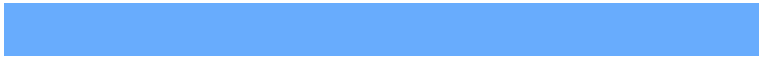
39.5400, 0.2167, 0.2243



39.5400, 0.2645, 0.2283

Triad

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



39.5400, 0.2167, 0.2243



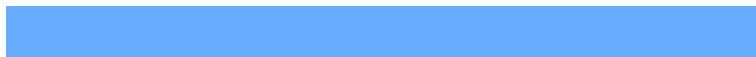
39.5400, 0.4433, 0.3435



39.5400, 0.2837, 0.4275

Complementary

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



39.5400, 0.2167, 0.2243



56.6372, 0.4379, 0.4107

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.



39.5400, 0.3502, 0.4556



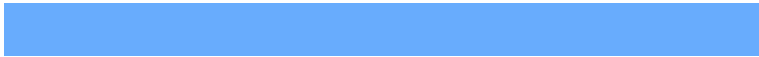
39.5400, 0.2167, 0.2243



39.5400, 0.4458, 0.3951

Square

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



39.5400, 0.2167, 0.2243



39.5400, 0.3996, 0.2936



39.5400, 0.4100, 0.4385



39.5400, 0.2285, 0.3615

Rectangle

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



39.5400, 0.2167, 0.2243



39.5400, 0.3077, 0.2427



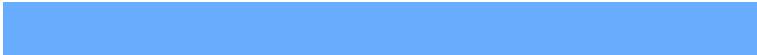
39.5400, 0.4100, 0.4385



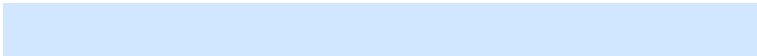
39.5400, 0.3055, 0.4422

Sweetspot

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



39.5414, 0.2167, 0.2243



77.3964, 0.2841, 0.3026



76.6381, 0.2697, 0.4180



15.8640, 0.2793, 0.2978



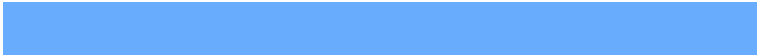
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



39.5414, 0.2167, 0.2243



32.6122, 0.1995, 0.1981



20.2738, 0.2006, 0.1402



18.7418, 0.2979, 0.3157



10.6181, 0.1731, 0.1429



1.2490, 0.1791, 0.1645

Inverse Universe

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



33.7852, 0.4087, 0.2610



28.5675, 0.4406, 0.2531



91.2112, 0.3930, 0.4695



18.1248, 0.3222, 0.3182



11.7999, 0.5152, 0.2612



1.1706, 0.4874, 0.2459

Previews

White Background



This preview shows how the Yxy color 39.5400, 0.2167, 0.2243 looks on a white background.

Color Contrast Check

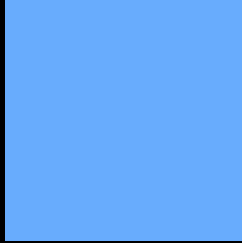
Large Text (above 18pt) WCAG AA × Fail

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 39.5400, 0.2167, 0.2243 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

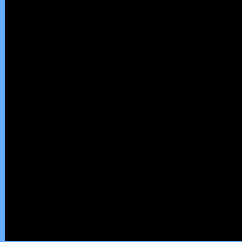
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

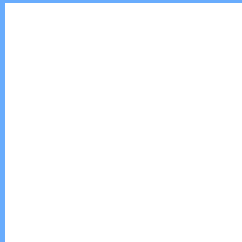
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.5400, 0.2167, 0.2243

Background



This preview shows how black text looks on a background with the Yxy color 39.5400, 0.2167, 0.2243.



This preview shows how white text looks on a background with the Yxy color 39.5400, 0.2167, 0.2243.

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

39.5400, 0.2167, 0.2243

Protanopia

39.2011, 0.2364, 0.2257

Deuteranopia

39.3052, 0.2261, 0.2196



Tritanopia

39.6497, 0.2349, 0.3060

Trichromacy



Original Color

39.5400, 0.2167, 0.2243

Protanomaly

39.3568, 0.2286, 0.2258

Deuteranomaly

39.4536, 0.2224, 0.2211

Tritanomaly

39.4260, 0.2276, 0.2728

Monochromacy



Original Color

39.5400, 0.2167, 0.2243

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.3808, 0.2685, 0.2872

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.5400, 0.2167, 0.2243 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(104, 172, 253)` looks like.

```
.text, #text, p{  
    color:rgb(104, 172, 253)  
}
```

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(104, 172, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 172, 253) }
```

Border

The CSS property to change the border of an element to Yxy 39.5400, 0.2167, 0.2243 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(104, 172, 253) }
```

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

```
.border{ border-color:rgb(104, 172, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 172, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 172, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 172, 253);  
box-shadow:4px 4px 4px 4px rgb(104, 172,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 39.5400, 0.2167, 0.2243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 172, 253) }
```

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

```
.background{ background-color: rgb(104,  
172, 253) }
```

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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