

Converting Colors

$Yxy(39.9824, 0.2153, 0.2236)$

Have a look what the booklet for
Yxy(39.9824, 0.2153, 0.2236)
contains.

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Color

Yxy(39.9319, 0.2153, 0.2235)

Conversions

Conversions Part 1

Format	Color
Hex	66ADFF
RGB	102, 173, 255
RGB Percent	40%, 68%, 100%
CMY	0.6001, 0.3215, 0.0001
CMYK	0.60, 0.32, 0.00, 0.00
HSL	212°, 100%, 70%
HSV	212°, 60%, 100%
XYZ	38.4668, 39.9319, 100.2675
YIQ	161.1190, -68.6380, 10.4500

Conversions

Conversions Part 2

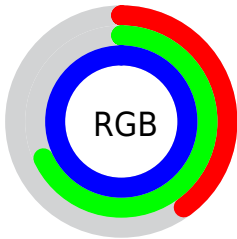
Format	Color
R _Y B	102, 150, 255
Decimal	6729215
CIE Lab	69.42, 1.65, -47.30
CIE LCh	69, 47.331, 271.999
Yxy	39.9319, 0.2153, 0.2235
Android (android.graphics.Color)	4284919295 (0xFF66ADFF)
YUV	161.1190, 46.2833, -51.8474
Hunter-Lab	63.1917, -1.9267, -49.8424

Details

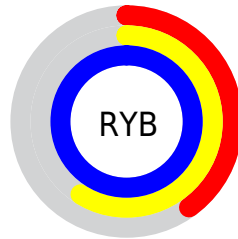
The Yxy color **39.9319, 0.2153, 0.2235** is a light color, and the websafe version is hex **3399FF**. A complement of this color would be **56.4688, 0.4419, 0.4107**, and the grayscale version is **35.5013, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.4933, 0.2576, 0.2982**, and **17.9225, 0.1903, 0.1964** is the 20% darker color. If you saturate the color by 10%, you get **33.6922, 0.2013, 0.2023**, and if you desaturate by 10%, it is **47.1678, 0.2308, 0.2443**.

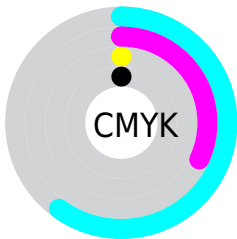
Distribution



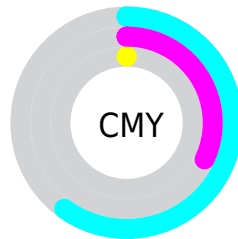
- Red (40%)
- Green (68%)
- Blue (100%)



- Red (40%)
- Yellow (59%)
- Blue (100%)



- Cyan (60%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)





- Cyan (60%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.9319, 0.2153, 0.2235 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 39.9319, 0.2153, 0.2235 by changing the saturation by 10% instead.


 39.9319, 0.2153,
0.2235


 39.9319, 0.2153,
0.2235


345.8365, 0.2628,
0.2747

 27.4855, 0.2042,
0.2116


 75.0598, 0.2321,
0.2415

 17.9381, 0.1904,
0.1968


 98.5100, 0.2385,
0.2485

 10.9056, 0.1730,
0.1783


 126.3970, 0.2441,
0.2544

 6.0034, 0.1507,
0.1546

159.1051, 0.2488,
0.2596

 2.8471, 0.1217,
0.1240

197.0187, 0.2530,
0.2641

 1.0525, 0.0844,
0.0849

240.5222, 0.2567,

 0.0000, 0.0000,

0.2680

0.0000

290.0000, 0.2599,
0.2716

■ 39.9319, 0.2153,
0.2235

■ 39.9319, 0.2153,
0.2235

■ 33.6922, 0.2013,
0.2023

■ 47.1678, 0.2308,
0.2443

■ 28.3851, 0.1894,
0.1813

■ 55.4491, 0.2473,
0.2642

■ 23.9432, 0.1799,
0.1613

■ 64.8261, 0.2641,
0.2827

■ 20.2664, 0.1730,
0.1427

■ 75.3439, 0.2808,
0.2998

■ 87.0449, 0.2971,
0.3152

99.9689, 0.3127,
0.3290

99.9985, 0.3127,
0.3290

Harmonies

Analogous

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



39.9319, 0.1927, 0.2444



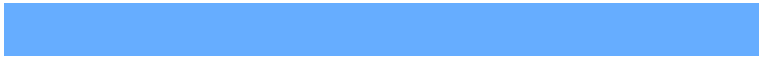
39.9319, 0.2153, 0.2235



39.9319, 0.2631, 0.2272

Triad

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



39.9319, 0.2153, 0.2235



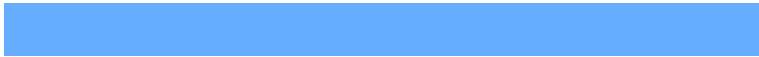
39.9319, 0.4442, 0.3427



39.9319, 0.2843, 0.4294

Complementary

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



39.9319, 0.2153, 0.2235



56.4688, 0.4419, 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.



39.9319, 0.3515, 0.4570



39.9319, 0.2153, 0.2235



39.9319, 0.4473, 0.3948

Square

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



39.9319, 0.2153, 0.2235



39.9319, 0.3996, 0.2925



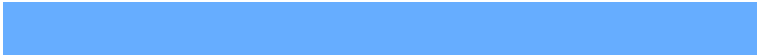
39.9319, 0.4116, 0.4389



39.9319, 0.2284, 0.3630

Rectangle

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



39.9319, 0.2153, 0.2235



39.9319, 0.3066, 0.2415



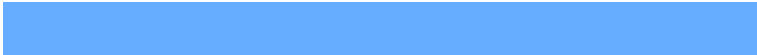
39.9319, 0.4116, 0.4389



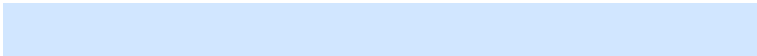
39.9319, 0.3064, 0.4441

Sweetspot

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



39.9333, 0.2153, 0.2235



77.6128, 0.2841, 0.3030



77.7711, 0.2692, 0.4201



15.9166, 0.2793, 0.2983



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.



39.9333, 0.2153, 0.2235



32.5690, 0.1987, 0.1981



19.8458, 0.1982, 0.1363



18.7679, 0.2979, 0.3159



10.8837, 0.1738, 0.1457



1.2757, 0.1798, 0.1671

Inverse Universe

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



33.7703, 0.4100, 0.2587



28.2398, 0.4411, 0.2513



92.7651, 0.3942, 0.4717



18.1274, 0.3221, 0.3180



11.8267, 0.5116, 0.2592



1.1733, 0.4843, 0.2441

Previews

White Background



This preview shows how the Yxy color 39.9319, 0.2153, 0.2235 looks on a white background.

Color Contrast Check

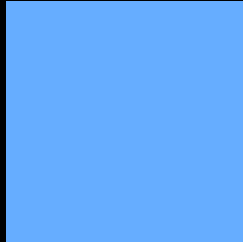
Large Text (above 18pt) WCAG AA × Fail

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 39.9319, 0.2153, 0.2235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

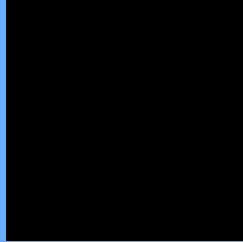
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

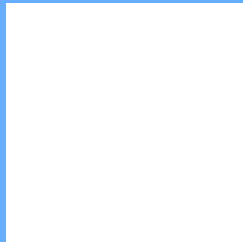
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.9319, 0.2153, 0.2235

Background



This preview shows how black text looks on a background with the Yxy color 39.9319, 0.2153, 0.2235.



This preview shows how white text looks on a background with the Yxy color 39.9319, 0.2153, 0.2235.

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

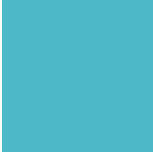
39.9319, 0.2153, 0.2235

Protanopia

39.7747, 0.2362, 0.2252

Deuteranopia

39.7373, 0.2259, 0.2199



Tritanopia

39.9823, 0.2336, 0.3061

Trichromacy



Original Color

39.9319, 0.2153, 0.2235

Protanomaly

39.8530, 0.2279, 0.2251

Deuteranomaly

39.8210, 0.2218, 0.2213

Tritanomaly

39.7354, 0.2262, 0.2728

Monochromacy



Original Color

39.9319, 0.2153, 0.2235

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.4258, 0.2678, 0.2859

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9319, 0.2153, 0.2235 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(102, 173, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 173, 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(102, 173, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 173, 255) }
```

Border

The CSS property to change the border of an element to Yxy 39.9319, 0.2153, 0.2235 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(102, 173, 255) }
```

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

```
.border{ border-color:rgb(102, 173, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 173, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 173, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 173, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 173,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9319, 0.2153, 0.2235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 173, 255) }
```

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

```
.background{ background-color: rgb(102,  
173, 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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