

Converting Colors

$Yxy(39.7743, 0.2049, 0.2137)$

Have a look what the booklet for
Yxy(39.7743, 0.2049, 0.2137)
contains.

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Color

Yxy(39.2859, 0.2081, 0.2229)

Conversions

Conversions Part 1

Format	Color
Hex	52AEFF
RGB	82, 174, 255
RGB Percent	32%, 68%, 100%
CMY	0.6779, 0.3177, 0.0000
CMYK	0.68, 0.32, 0.00, 0.00
HSL	208°, 100%, 66%
HSV	208°, 68%, 100%
XYZ	36.6774, 39.2859, 100.2857
YIQ	155.7260, -80.8330, 5.6870

Conversions

Conversions Part 2

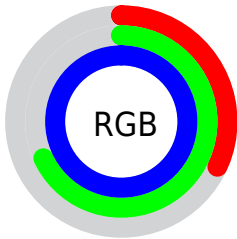
Format	Color
R _Y B	82, 142, 255
Decimal	5418751
CIE Lab	68.96, -2.18, -48.11
CIE LCh	69, 48.161, 267.407
Yxy	39.2859, 0.2081, 0.2229
Android (android.graphics.Color)	4283608831 (0xFF52AEFF)
YUV	155.7260, 48.9421, -64.6577
Hunter-Lab	62.6785, -5.2349, -50.9892

Details

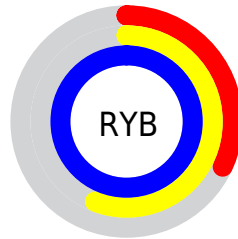
The Yxy color **39.2859, 0.2081, 0.2229** is a light color, and the websafe version is hex **0099FF**. The color can be described as light muted azure. A complement of this color would be **48.1161, 0.4722, 0.4065**, and the grayscale version is **32.9352, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.5545, 0.2504, 0.2988**, and **17.9963, 0.1882, 0.1974** is the 20% darker color. If you saturate the color by 10%, you get **33.9310, 0.1966, 0.2044**, and if you desaturate by 10%, it is **45.4745, 0.2215, 0.2414**.

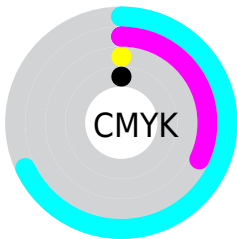
Distribution



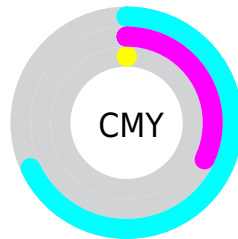
- Red (32%)
- Green (68%)
- Blue (100%)



- Red (32%)
- Yellow (56%)
- Blue (100%)



- Cyan (68%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)





- Cyan (68%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.2859, 0.2081, 0.2229 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 39.2859, 0.2081, 0.2229 by changing the saturation by 10% instead.


 39.2859, 0.2081,
0.2229


 39.2859, 0.2081,
0.2229


343.1045, 0.2589,
0.2748


 26.9822, 0.1963,
0.2107


 74.0749, 0.2260,
0.2412


 17.5599, 0.1817,
0.1957


 97.3289, 0.2329,
0.2483

 10.6345, 0.1634,
0.1768


 125.0019, 0.2388,
0.2543

 5.8216, 0.1402,
0.1526

 157.4782, 0.2439,
0.2595

 2.7369, 0.1104,
0.1213

195.1423, 0.2484,
0.2641

 0.9960, 0.0730,
0.0817

238.3784, 0.2523,

 0.0000, 0.0000,

0.2681

0.0000

287.5710, 0.2558,
0.2716

■ 39.2859, 0.2081,
0.2229

■ 39.2859, 0.2081,
0.2229

■ 33.9310, 0.1966,
0.2044

■ 45.4745, 0.2215,
0.2414

■ 29.3522, 0.1874,
0.1862

■ 52.5519, 0.2364,
0.2593

■ 25.4710, 0.1806,
0.1689

■ 60.5642, 0.2522,
0.2763

■ 24.6865, 0.1792,
0.1652

■ 69.5542, 0.2684,
0.2921

■ 79.5618, 0.2847,
0.3066

■ 90.6241, 0.3006,
0.3197

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.



39.2859, 0.1892, 0.2481



39.2859, 0.2081, 0.2229



39.2859, 0.2530, 0.2231

Triad

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



39.2859, 0.2081, 0.2229



39.2859, 0.4428, 0.3345



39.2859, 0.2937, 0.4396

Complementary

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



39.2859, 0.2081, 0.2229



48.1161, 0.4722, 0.4065

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.



39.2859, 0.3624, 0.4598



39.2859, 0.2081, 0.2229



39.2859, 0.4526, 0.3878

Square

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



39.2859, 0.2081, 0.2229



39.2859, 0.3916, 0.2845



39.2859, 0.4212, 0.4353



39.2859, 0.2338, 0.3754

Rectangle

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



39.2859, 0.2081, 0.2229



39.2859, 0.2955, 0.2356



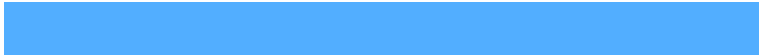
39.2859, 0.4212, 0.4353



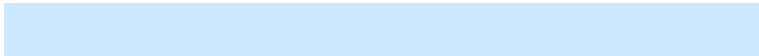
39.2859, 0.3166, 0.4521

Sweetspot

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



39.2850, 0.2081, 0.2229



77.2647, 0.2811, 0.3035



75.9567, 0.2719, 0.4505



15.9271, 0.2765, 0.2995



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.



39.2850, 0.2081, 0.2229



32.3818, 0.1934, 0.1985



15.9805, 0.1821, 0.1163



18.9759, 0.2979, 0.3176



13.2011, 0.1800, 0.1680



1.5042, 0.1855, 0.1876

Inverse Universe

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



30.3689, 0.4138, 0.2421



25.8865, 0.4439, 0.2369



89.7694, 0.4086, 0.4781



18.1484, 0.3210, 0.3164



12.0606, 0.4831, 0.2435



1.1964, 0.4595, 0.2305

Previews

White Background



This preview shows how the Yxy color 39.2859, 0.2081, 0.2229 looks on a white background.

Color Contrast Check

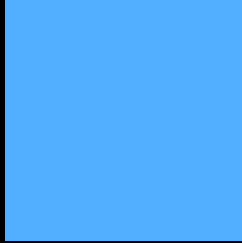
Large Text (above 18pt) WCAG AA × Fail

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 39.2859, 0.2081, 0.2229 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

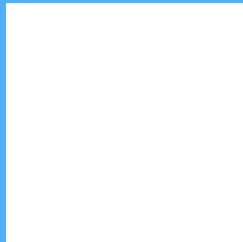
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.2859, 0.2081, 0.2229

Background



This preview shows how black text looks on a background with the Yxy color 39.2859, 0.2081, 0.2229.



This preview shows how white text looks on a background with the Yxy color 39.2859, 0.2081, 0.2229.

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

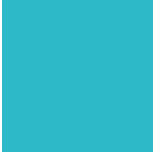
39.2859, 0.2081, 0.2229

Protanopia

38.7553, 0.2356, 0.2243

Deuteranopia

39.1425, 0.2240, 0.2182



Tritanopia

39.4259, 0.2237, 0.3056

Trichromacy



Original Color

39.2859, 0.2081, 0.2229

Protanomaly

38.7589, 0.2234, 0.2236

Deuteranomaly

39.2207, 0.2175, 0.2202

Tritanomaly

39.1449, 0.2170, 0.2718

Monochromacy



Original Color

39.2859, 0.2081, 0.2229

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.6673, 0.2612, 0.2860

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.2859, 0.2081, 0.2229 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(82, 174, 255)` looks like.

```
.text, #text, p{  
  color:rgb(82, 174, 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(82, 174, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 174, 255) }
```

Border

The CSS property to change the border of an element to Yxy 39.2859, 0.2081, 0.2229 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(82, 174, 255) }
```

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

```
.border{ border-color:rgb(82, 174, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 174, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 174, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 174, 255);  
box-shadow:4px 4px 4px 4px rgb(82, 174,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 39.2859, 0.2081, 0.2229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 174, 255) }
```

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

```
.background{ background-color: rgb(82, 174,  
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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