

Converting Colors

$Yxy(40.1434, 0.2022, 0.2188)$

Have a look what the booklet for
Yxy(40.1434, 0.2022, 0.2188)
contains.

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Color

Yxy(39.8576, 0.2046, 0.2260)

Conversions

Conversions Part 1

Format	Color
Hex	43B1FF
RGB	67, 177, 255
RGB Percent	26%, 69%, 100%
CMY	0.7377, 0.3058, 0.0000
CMYK	0.74, 0.31, 0.00, 0.00
HSL	205°, 100%, 63%
HSV	205°, 74%, 100%
XYZ	36.0835, 39.8576, 100.4200
YIQ	153.0020, -90.5980, 0.9380

Conversions

Conversions Part 2

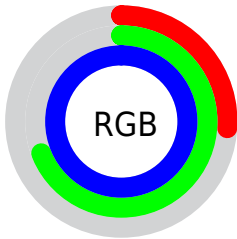
Format	Color
R _Y B	67, 136, 255
Decimal	4436479
CIE Lab	69.37, -5.92, -47.49
CIE LCh	69, 47.860, 262.891
Yxy	39.8576, 0.2046, 0.2260
Android (android.graphics.Color)	4282626559 (0xFF43B1FF)
YUV	153.0020, 50.2850, -75.4238
Hunter-Lab	63.1329, -8.4612, -50.1144

Details

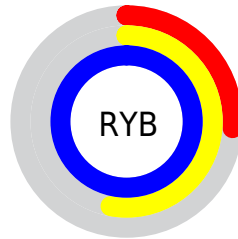
The Yxy color **39.8576, 0.2046, 0.2260** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **41.8763, 0.4994, 0.3994**, and the grayscale version is **31.6495, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.2516, 0.2460, 0.3020**, and **18.7444, 0.1897, 0.2029** is the 20% darker color. If you saturate the color by 10%, you get **35.1312, 0.1952, 0.2097**, and if you desaturate by 10%, it is **45.3031, 0.2161, 0.2424**.

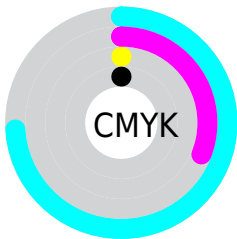
Distribution



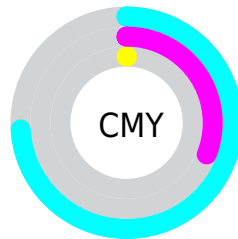
- Red (26%)
- Green (69%)
- Blue (100%)



- Red (26%)
- Yellow (53%)
- Blue (100%)



- Cyan (74%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)




- Cyan (74%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.8576, 0.2046, 0.2260 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 39.8576, 0.2046, 0.2260 by changing the saturation by 10% instead.

 39.8576, 0.2046,
0.2260


 39.8576, 0.2046,
0.2260


345.5230, 0.2568,
0.2766

 27.4275, 0.1925,
0.2141


 74.9466, 0.2229,
0.2439


 17.8946, 0.1777,
0.1993


 98.3744, 0.2300,
0.2508

 10.8743, 0.1592,
0.1806


 126.2368, 0.2361,
0.2567

 5.9824, 0.1357,
0.1566

 158.9183, 0.2413,
0.2618

 2.8344, 0.1059,
0.1254

196.8033, 0.2459,
0.2662

 1.0459, 0.0688,
0.0856

240.2761, 0.2500,

 0.0000, 0.0000,

0.2701

0.0000

289.7212, 0.2536,
0.2736

■ 39.8576, 0.2046,
0.2260

■ 39.8576, 0.2046,
0.2260

■ 35.1312, 0.1952,
0.2097

■ 45.3031, 0.2161,
0.2424

■ 31.0610, 0.1881,
0.1939

■ 51.5218, 0.2294,
0.2584

■ 28.8037, 0.1845,
0.1843

■ 58.5603, 0.2439,
0.2738

■ 66.4606, 0.2594,
0.2883

■ 75.2612, 0.2753,
0.3017

■ 84.9979, 0.2912,
0.3140

■ 95.7043, 0.3069,
0.3251

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.



39.8576, 0.1898, 0.2552



39.8576, 0.2046, 0.2260



39.8576, 0.2454, 0.2226

Triad

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



39.8576, 0.2046, 0.2260



39.8576, 0.4361, 0.3268



39.8576, 0.3042, 0.4445

Complementary

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



39.8576, 0.2046, 0.2260



41.8763, 0.4994, 0.3994

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.



39.8576, 0.3718, 0.4571



39.8576, 0.2046, 0.2260



39.8576, 0.4525, 0.3796

Square

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



39.8576, 0.2046, 0.2260



39.8576, 0.3807, 0.2783



39.8576, 0.4269, 0.4282



39.8576, 0.2424, 0.3860

Rectangle

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



39.8576, 0.2046, 0.2260



39.8576, 0.2856, 0.2329



39.8576, 0.4269, 0.4282



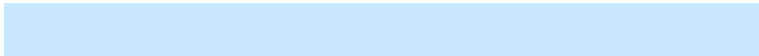
39.8576, 0.3270, 0.4543

Sweetspot

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



39.8573, 0.2046, 0.2260



76.9163, 0.2781, 0.3040



74.6661, 0.2764, 0.4804



15.9234, 0.2738, 0.3005



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.



39.8573, 0.2046, 0.2260



32.9257, 0.1912, 0.2014



15.0163, 0.1753, 0.1113



19.1450, 0.2979, 0.3189



15.3522, 0.1852, 0.1868



1.7105, 0.1902, 0.2046

Inverse Universe

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



28.4352, 0.4127, 0.2293



24.6629, 0.4425, 0.2270



81.7633, 0.4220, 0.4772



18.1655, 0.3202, 0.3152



12.2778, 0.4604, 0.2310



1.2172, 0.4401, 0.2198

Previews

White Background



This preview shows how the Yxy color 39.8576, 0.2046, 0.2260 looks on a white background.

Color Contrast Check

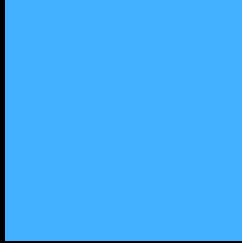
Large Text (above 18pt) WCAG AA × Fail

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 39.8576, 0.2046, 0.2260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

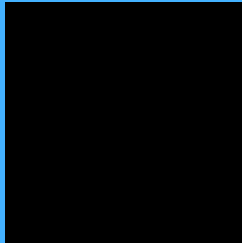
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

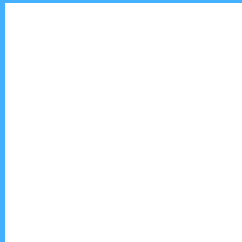
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.8576, 0.2046, 0.2260

Background



This preview shows how black text looks on a background with the Yxy color 39.8576, 0.2046, 0.2260.



This preview shows how white text looks on a background with the Yxy color 39.8576, 0.2046, 0.2260.

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

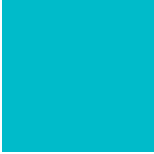
39.8576, 0.2046, 0.2260

Protanopia

39.2536, 0.2387, 0.2280

Deuteranopia

39.6609, 0.2253, 0.2198



Tritanopia

39.8049, 0.2182, 0.3055

Trichromacy



Original Color

39.8576, 0.2046, 0.2260

Protanomaly

38.8603, 0.2226, 0.2255

Deuteranomaly

39.3491, 0.2160, 0.2211

Tritanomaly

39.2816, 0.2108, 0.2727

Monochromacy



Original Color

39.8576, 0.2046, 0.2260

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

33.6959, 0.2572, 0.2866

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8576, 0.2046, 0.2260 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(67, 177, 255)` looks like.

```
.text, #text, p{  
  color:rgb(67, 177, 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(67, 177, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 177, 255) }
```

Border

The CSS property to change the border of an element to Yxy 39.8576, 0.2046, 0.2260 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(67, 177, 255) }
```

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

```
.border{ border-color:rgb(67, 177, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 177, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 177, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 177, 255);  
box-shadow:4px 4px 4px 4px rgb(67, 177,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8576, 0.2046, 0.2260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 177, 255) }
```

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

```
.background{ background-color: rgb(67, 177,  
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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