

Converting Colors

$Yxy(60.8514, 0.1991, 0.1745)$

Have a look what the booklet for
Yxy(60.8514, 0.1991, 0.1745)
contains.

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Color

Yxy(51.9778, 0.2351, 0.2580)

Conversions

Conversions Part 1

Format	Color
Hex	83C5FF
RGB	131, 197, 255
RGB Percent	51%, 77%, 100%
CMY	0.4866, 0.2274, 0.0001
CMYK	0.49, 0.23, 0.00, 0.00
HSL	208°, 100%, 76%
HSV	208°, 49%, 100%
XYZ	47.3643, 51.9778, 102.1223
YIQ	183.8780, -57.9540, 4.0460

Conversions

Conversions Part 2

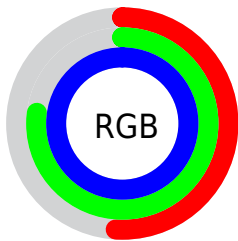
Format	Color
RYB	131, 174, 255
Decimal	8635903
CIELab	77.27, -5.61, -34.97
CIELCh	77, 35.413, 260.887
Yxy	51.9778, 0.2351, 0.2580
Android (android.graphics.Color)	4286825983 (0xFF83C5FF)
YUV	183.8780, 35.0631, -46.3740
Hunter-Lab	72.0956, -8.8992, -33.5164

Details

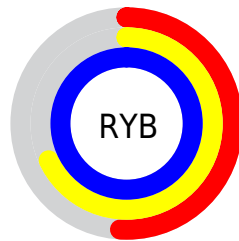
The Yxy color **51.9778, 0.2351, 0.2580** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **59.2378, 0.4170, 0.3890**, and the grayscale version is **47.6815, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9224, 0.2746, 0.3278**, and **25.0617, 0.2159, 0.2393** is the 20% darker color. If you saturate the color by 10%, you get **44.9908, 0.2204, 0.2401**, and if you desaturate by 10%, it is **59.8970, 0.2508, 0.2750**.

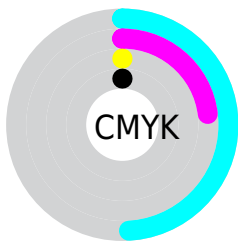
Distribution



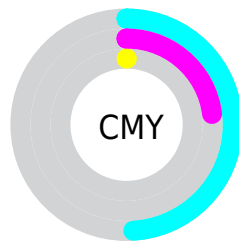
- Red (51%)
- Green (77%)
- Blue (100%)



- Red (51%)
- Yellow (68%)
- Blue (100%)



- Cyan (49%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)



- Cyan (49%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.9778, 0.2351, 0.2580 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 51.9778, 0.2351, 0.2580 by changing the saturation by 10% instead.

■ 51.9778, 0.2351,
0.2580

■ 51.9778, 0.2351,
0.2580

■ 394.3509, 0.2719,
0.2922

■ 36.9874, 0.2266,
0.2500

■ 93.0985, 0.2479,
0.2701

■ 25.1977, 0.2162,
0.2400

■ 119.9976, 0.2529,
0.2747

■ 16.2244, 0.2029,
0.2273

■ 151.6350, 0.2572,
0.2787

■ 9.6831, 0.1858,
0.2106

■ 188.3951, 0.2609,
0.2821

■ 5.1894, 0.1631,
0.1881

■ 230.6624, 0.2642,
0.2851

■ 2.3588, 0.1321,
0.1566

■ 278.8212, 0.2670,

■ 0.8046, 0.0873,

0.2878

0.1119

333.2559, 0.2696,
0.2901

0.0000, 0.0000,
0.0000

51.9778, 0.2351,
0.2580

51.9778, 0.2351,
0.2580

44.9908, 0.2204,
0.2401

59.8970, 0.2508,
0.2750

38.8829, 0.2071,
0.2217

68.7857, 0.2670,
0.2909

33.6033, 0.1959,
0.2032

78.6857, 0.2833,
0.3055

29.0907, 0.1869,
0.1852

89.6344, 0.2993,
0.3187

25.2621, 0.1802,
0.1680

99.9984, 0.3127,
0.3290

■ 24.7841, 0.1794,
0.1657

Harmonies

Analogous

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



51.9778, 0.2256, 0.2818



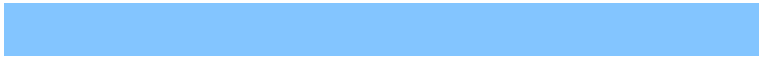
51.9778, 0.2351, 0.2580



51.9778, 0.2639, 0.2531

Triad

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



51.9778, 0.2351, 0.2580



51.9778, 0.3942, 0.3271



51.9778, 0.3120, 0.4059

Complementary

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



51.9778, 0.2351, 0.2580



59.2378, 0.4170, 0.3890

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.



51.9778, 0.3585, 0.4151



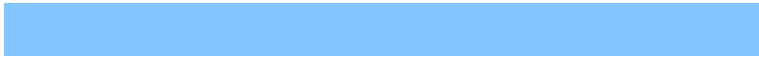
51.9778, 0.2351, 0.2580



51.9778, 0.4082, 0.3652

Square

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



51.9778, 0.2351, 0.2580



51.9778, 0.3561, 0.2918



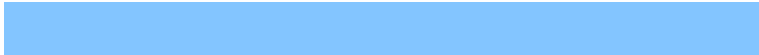
51.9778, 0.3943, 0.3980



51.9778, 0.2677, 0.3701

Rectangle

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



51.9778, 0.2351, 0.2580



51.9778, 0.2919, 0.2596



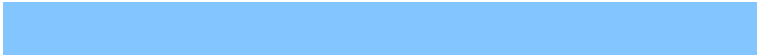
51.9778, 0.3943, 0.3980



51.9778, 0.3279, 0.4122

Sweetspot

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



51.9797, 0.2351, 0.2580



82.5767, 0.2892, 0.3105



79.9901, 0.2785, 0.4105



17.1923, 0.2858, 0.3076



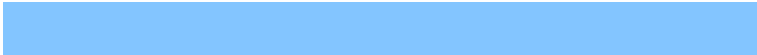
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



51.9797, 0.2351, 0.2580



45.4276, 0.2213, 0.2413



29.3841, 0.2202, 0.1794



18.9804, 0.2979, 0.3176



13.2550, 0.1801, 0.1685



1.5094, 0.1856, 0.1881

Inverse Universe

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



41.5012, 0.3746, 0.2616



35.3372, 0.3926, 0.2506



91.7868, 0.3863, 0.4445



18.1489, 0.3210, 0.3164



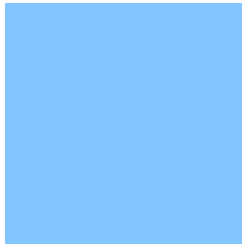
12.0661, 0.4825, 0.2432



1.1969, 0.4590, 0.2302

Previews

White Background



This preview shows how the Yxy color 51.9778, 0.2351, 0.2580 looks on a white background.

Color Contrast Check

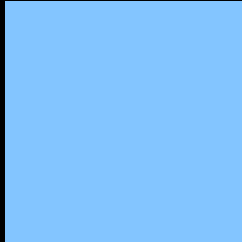
Large Text (above 18pt) WCAG AA × Fail

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 51.9778, 0.2351, 0.2580 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

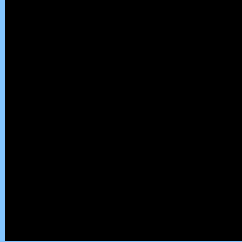
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

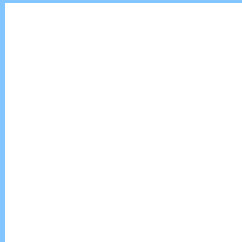
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.9778, 0.2351, 0.2580

Background



This preview shows how black text looks on a background with the Yxy color 51.9778, 0.2351, 0.2580.



This preview shows how white text looks on a background with the Yxy color 51.9778, 0.2351, 0.2580.

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

51.9778, 0.2351, 0.2580

Protanopia

51.7424, 0.2617, 0.2585

Deuteranopia

51.4186, 0.2557, 0.2499



Tritanopia

51.8722, 0.2481, 0.3062

Trichromacy



Original Color

51.9778, 0.2351, 0.2580

Protanomaly

51.4957, 0.2505, 0.2572

Deuteranomaly

51.5495, 0.2472, 0.2529

Tritanomaly

51.9416, 0.2430, 0.2875

Monochromacy



Original Color

51.9778, 0.2351, 0.2580

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

49.0477, 0.2792, 0.3019

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.9778, 0.2351, 0.2580 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(131, 197, 255)` looks like.

```
.text, #text, p{  
    color:rgb(131, 197, 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(131, 197, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 197, 255) }
```

Border

The CSS property to change the border of an element to Yxy 51.9778, 0.2351, 0.2580 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(131, 197, 255) }
```

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

```
.border{ border-color:rgb(131, 197, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 197, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 197, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 197, 255);  
box-shadow:4px 4px 4px 4px rgb(131, 197,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 51.9778, 0.2351, 0.2580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 197, 255) }
```

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

```
.background{ background-color: rgb(131,  
197, 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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