

Converting Colors

$Yxy(57.5639, 0.2031, 0.1979)$

Have a look what the booklet for
Yxy(57.5639, 0.2031, 0.1979)
contains.

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Color

Yxy(51.9733, 0.2274, 0.2604)

Conversions

Conversions Part 1

Format	Color
Hex	70C8FF
RGB	112, 200, 255
RGB Percent	44%, 78%, 100%
CMY	0.5606, 0.2157, 0.0001
CMYK	0.56, 0.22, 0.00, 0.00
HSL	203°, 100%, 72%
HSV	203°, 56%, 100%
XYZ	45.3868, 51.9733, 102.2301
YIQ	179.9580, -70.1030, -1.5510

Conversions

Conversions Part 2

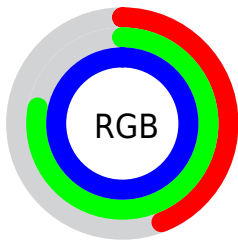
Format	Color
R _Y B	112, 166, 255
Decimal	7391487
CIE Lab	77.26, -11.19, -35.04
CIE LCh	77, 36.783, 252.285
Yxy	51.9733, 0.2274, 0.2604
Android (android.graphics.Color)	4285581567 (0xFF70C8FF)
YUV	179.9580, 36.9957, -59.5992
Hunter-Lab	72.0925, -13.7848, -33.6109

Details

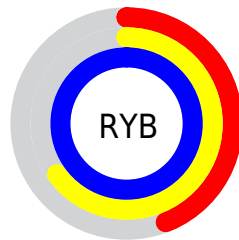
The Yxy color **51.9733, 0.2274, 0.2604** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **50.0716, 0.4460, 0.3852**, and the grayscale version is **45.4497, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5107, 0.2662, 0.3289**, and **25.1486, 0.2069, 0.2424** is the 20% darker color. If you saturate the color by 10%, you get **46.1339, 0.2150, 0.2455**, and if you desaturate by 10%, it is **58.5814, 0.2413, 0.2747**.

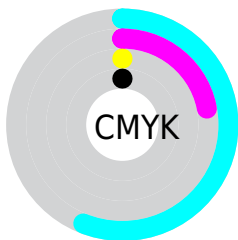
Distribution



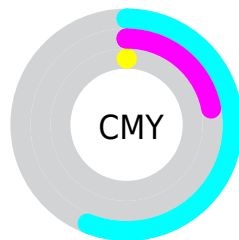
- Red (44%)
- Green (78%)
- Blue (100%)



- Red (44%)
- Yellow (65%)
- Blue (100%)



- Cyan (56%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (56%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.9733, 0.2274, 0.2604 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 51.9733, 0.2274, 0.2604 by changing the saturation by 10% instead.

■ 51.9733, 0.2274,
0.2604

■ 51.9733, 0.2274,
0.2604

■ 394.3335, 0.2676,
0.2938

■ 36.9838, 0.2182,
0.2525

■ 93.0919, 0.2414,
0.2723

■ 25.1949, 0.2069,
0.2426

■ 119.9897, 0.2468,
0.2768

■ 16.2224, 0.1927,
0.2299

■ 151.6258, 0.2515,
0.2807

■ 9.6816, 0.1745,
0.2133

■ 188.3845, 0.2555,
0.2840

■ 5.1884, 0.1505,
0.1906

■ 230.6502, 0.2591,
0.2870

■ 2.3582, 0.1183,
0.1588

■ 278.8074, 0.2623,

■ 0.8043, 0.0695,

0.2895

0.1137

333.2403, 0.2651,
0.2918

0.0000, 0.0000,
0.0000

51.9733, 0.2274,
0.2604

51.9733, 0.2274,
0.2604

46.1339, 0.2150,
0.2455

58.5814, 0.2413,
0.2747

41.0110, 0.2044,
0.2304

65.9941, 0.2562,
0.2883

36.5527, 0.1959,
0.2154

74.2512, 0.2718,
0.3010

32.6936, 0.1896,
0.2008

83.3878, 0.2876,
0.3126

31.3013, 0.1875,
0.1951

93.4367, 0.3033,
0.3231

99.9988, 0.3127,
0.3290

Harmonies

Analogous

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



51.9733, 0.2237, 0.2904



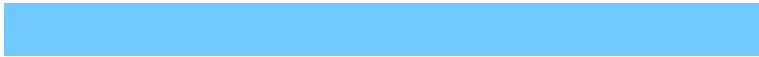
51.9733, 0.2274, 0.2604



51.9733, 0.2517, 0.2499

Triad

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



51.9733, 0.2274, 0.2604



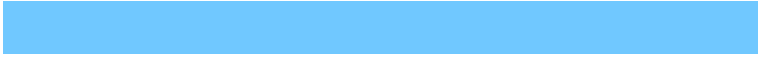
51.9733, 0.3881, 0.3158



51.9733, 0.3260, 0.4150

Complementary

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



51.9733, 0.2274, 0.2604



50.0716, 0.4460, 0.3852

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.



51.9733, 0.3724, 0.4157



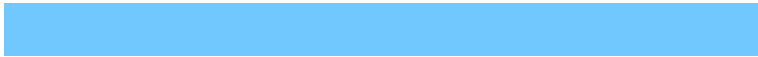
51.9733, 0.2274, 0.2604



51.9733, 0.4108, 0.3551

Square

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



51.9733, 0.2274, 0.2604



51.9733, 0.3437, 0.2814



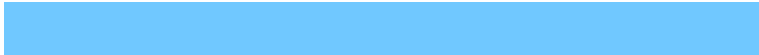
51.9733, 0.4043, 0.3917



51.9733, 0.2781, 0.3846

Rectangle

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



51.9733, 0.2274, 0.2604



51.9733, 0.2778, 0.2533



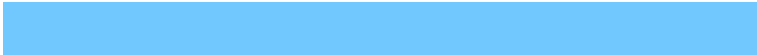
51.9733, 0.4043, 0.3917



51.9733, 0.3423, 0.4185

Sweetspot

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



51.9752, 0.2274, 0.2604



82.5043, 0.2861, 0.3116



77.7389, 0.2807, 0.4416



17.2546, 0.2829, 0.3093



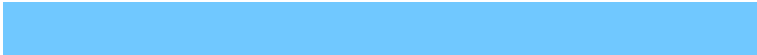
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



51.9752, 0.2274, 0.2604



45.6300, 0.2139, 0.2441



26.2920, 0.2076, 0.1677



19.2392, 0.2979, 0.3196



16.6564, 0.1882, 0.1975



1.8335, 0.1928, 0.2141

Inverse Universe

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



37.0237, 0.3749, 0.2416



31.3105, 0.3930, 0.2294



83.7534, 0.4020, 0.4499



18.1750, 0.3197, 0.3145



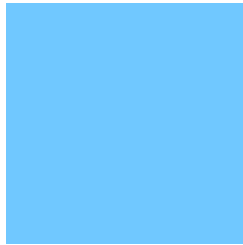
12.4094, 0.4481, 0.2242



1.2296, 0.4297, 0.2141

Previews

White Background



This preview shows how the Yxy color 51.9733, 0.2274, 0.2604 looks on a white background.

Color Contrast Check

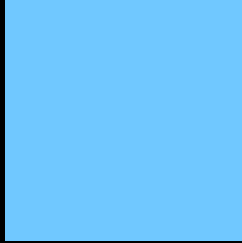
Large Text (above 18pt) WCAG AA × Fail

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 51.9733, 0.2274, 0.2604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

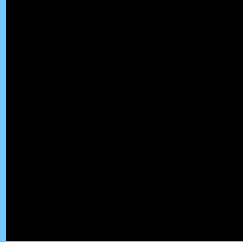
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

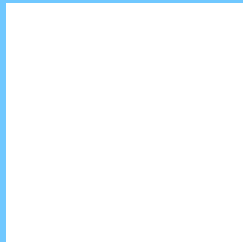
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.9733, 0.2274, 0.2604

Background



This preview shows how black text looks on a background with the Yxy color 51.9733, 0.2274, 0.2604.



This preview shows how white text looks on a background with the Yxy color 51.9733, 0.2274, 0.2604.

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

51.9733, 0.2274, 0.2604

Protanopia

51.6189, 0.2629, 0.2606

Deuteranopia

51.4186, 0.2557, 0.2499



Tritanopia

52.0692, 0.2384, 0.3072

Trichromacy



Original Color

51.9733, 0.2274, 0.2604

Protanomaly

51.1181, 0.2476, 0.2598

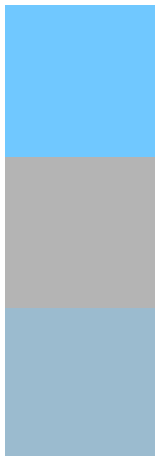
Deuteranomaly

51.4033, 0.2440, 0.2535

Tritanomaly

52.0693, 0.2343, 0.2894

Monochromacy



Original Color

51.9733, 0.2274, 0.2604

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

47.0142, 0.2738, 0.3025

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.9733, 0.2274, 0.2604 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(112, 200, 255)` looks like.

```
.text, #text, p{  
    color:rgb(112, 200, 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(112, 200, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 200, 255) }
```

Border

The CSS property to change the border of an element to Yxy 51.9733, 0.2274, 0.2604 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(112, 200, 255) }
```

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

```
.border{ border-color:rgb(112, 200, 255) }
```

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

Here you see how a box with a 4 pixel rgb(112, 200, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 200, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 200, 255);  
box-shadow:4px 4px 4px 4px rgb(112, 200,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 51.9733, 0.2274, 0.2604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 200, 255) }
```

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

```
.background{ background-color: rgb(112,  
200, 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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