

# Converting Colors

$Yxy(50.8595, 0.2268, 0.2572)$

Have a look what the booklet for  
Yxy(50.8595, 0.2268, 0.2572)  
contains.

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# Color

**Yxy(51.0529, 0.2268, 0.2577)**

# Conversions

## Conversions Part 1

Format	Color
Hex	70C6FF
RGB	112, 198, 255
RGB Percent	44%, 78%, 100%
CMY	0.5607, 0.2235, 0.0000
CMYK	0.56, 0.22, 0.00, 0.00
HSL	204°, 100%, 72%
HSV	204°, 56%, 100%
XYZ	44.9313, 51.0529, 102.1256
YIQ	178.7840, -69.5530, -0.5050

# Conversions

## Conversions Part 2

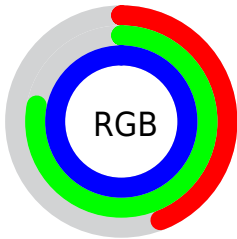
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">112, 166, 255</a>
Decimal	<a href="#">7390975</a>
CIELab	<a href="#">76.71, -10.12, -35.93</a>
CIElCh	<a href="#">77, 37.325, 254.273</a>
Yxy	<a href="#">51.0529, 0.2268, 0.2577</a>
Android (android.graphics.Color)	<a href="#">4285581055 (0xFF70C6FF)</a>
YUV	<a href="#">178.7840, 37.5745, -58.5696</a>
Hunter-Lab	<a href="#">71.4513, -12.7922, -34.7275</a>

# Details

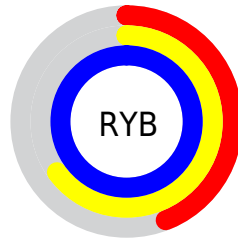
The Yxy color **51.0529, 0.2268, 0.2577** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **50.8108, 0.4447, 0.3872**, and the grayscale version is **44.7828, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5107, 0.2662, 0.3289**, and **24.5373, 0.2060, 0.2388** is the 20% darker color. If you saturate the color by 10%, you get **45.1172, 0.2142, 0.2423**, and if you desaturate by 10%, it is **57.7727, 0.2409, 0.2727**.

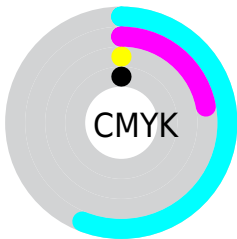
# Distribution



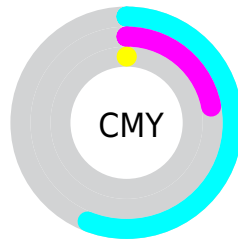
- Red (44%)
- Green (78%)
- Blue (100%)



- 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 51.0529, 0.2268, 0.2577 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 51.0529, 0.2268, 0.2577 by changing the saturation by 10% instead.



51.0529, 0.2268,  
0.2577

51.0529, 0.2268,  
0.2577

390.7693, 0.2674,  
0.2924

36.2507, 0.2175,  
0.2495

91.7330, 0.2409,  
0.2700

24.6279, 0.2061,  
0.2392

118.3796, 0.2464,  
0.2747

15.8000, 0.1917,  
0.2261

149.7432, 0.2511,  
0.2788

9.3828, 0.1732,  
0.2089

186.2082, 0.2552,  
0.2822

4.9917, 0.1489,  
0.1856

228.1589, 0.2588,  
0.2853

2.2424, 0.1163,  
0.1530

275.9797, 0.2620,

0.7430, 0.0659,

0.2879

0.1067

330.0550, 0.2648,  
0.2903

0.0000, 0.0000,  
0.0000

51.0529, 0.2268,  
0.2577

51.0529, 0.2268,  
0.2577

45.1172, 0.2142,  
0.2423

57.7727, 0.2409,  
0.2727

39.9204, 0.2034,  
0.2266

65.3208, 0.2560,  
0.2868

35.4075, 0.1947,  
0.2110

73.7352, 0.2717,  
0.2999

31.5120, 0.1883,  
0.1959

83.0514, 0.2876,  
0.3120

30.1153, 0.1861,  
0.1900

93.3028, 0.3033,  
0.3229

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.



51.0529, 0.2216, 0.2869



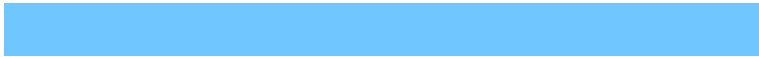
51.0529, 0.2268, 0.2577



51.0529, 0.2528, 0.2484

# Triad

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



51.0529, 0.2268, 0.2577



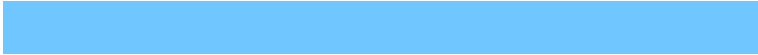
51.0529, 0.3921, 0.3181



51.0529, 0.3228, 0.4157

# Complementary

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



51.0529, 0.2268, 0.2577



50.8108, 0.4447, 0.3872

# 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.



51.0529, 0.3707, 0.4183



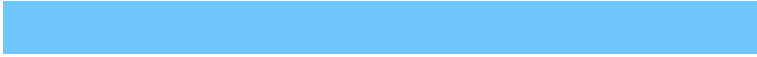
51.0529, 0.2268, 0.2577



51.0529, 0.4133, 0.3581

# Square

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



51.0529, 0.2268, 0.2577



51.0529, 0.3477, 0.2825



51.0529, 0.4047, 0.3950

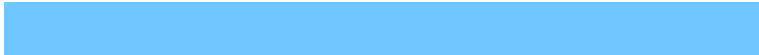


51.0529, 0.2744, 0.3829



# Rectangle

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



51.0529, 0.2268, 0.2577



51.0529, 0.2801, 0.2527



51.0529, 0.4047, 0.3950



51.0529, 0.3395, 0.4201

# Sweetspot

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



51.0522, 0.2268, 0.2577



82.1504, 0.2861, 0.3109



77.7489, 0.2806, 0.4417



17.1708, 0.2829, 0.3086



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.



51.0522, 0.2268, 0.2577



44.6060, 0.2131, 0.2408



26.2850, 0.2076, 0.1676



19.1950, 0.2979, 0.3193



16.0360, 0.1868, 0.1925



1.7751, 0.1916, 0.2096



# Inverse Universe

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



36.9276, 0.3773, 0.2434



31.2071, 0.3961, 0.2316



83.7644, 0.4020, 0.4500



18.1705, 0.3200, 0.3148



12.3468, 0.4539, 0.2274



1.2237, 0.4345, 0.2167



# Previews

## White Background



This preview shows how the Yxy color 51.0529, 0.2268, 0.2577 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

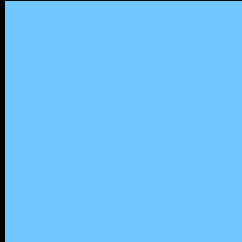
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.0529, 0.2268, 0.2577 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

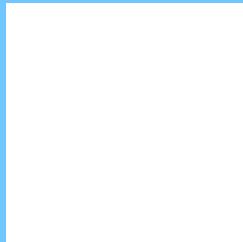
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 51.0529, 0.2268, 0.2577**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.0529, 0.2268, 0.2577.



This preview shows how white text looks on a background with the Yxy color 51.0529, 0.2268, 0.2577.

# 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

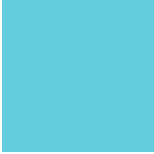
51.0529, 0.2268, 0.2577

### Protanopia

50.5423, 0.2613, 0.2579

### Deuteranopia

50.6626, 0.2536, 0.2483



## **Tritanopia**

51.0588, 0.2382, 0.3057

# Trichromacy



**Original Color**

51.0529, 0.2268, 0.2577

**Protanomaly**

50.1505, 0.2466, 0.2572

**Deuteranomaly**

50.3428, 0.2424, 0.2507

**Tritanomaly**

51.0673, 0.2342, 0.2879

# Monochromacy



**Original Color**

51.0529, 0.2268, 0.2577

**Achromatopsia**

45.0786, 0.3127, 0.3290

**Achromatomaly**

46.5914, 0.2736, 0.3011

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.0529, 0.2268, 0.2577 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, 198, 255)` looks like.

```
.text, #text, p{  
    color:rgb(112, 198, 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, 198, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 198, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 51.0529, 0.2268, 0.2577 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, 198, 255) }
```

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

```
.border{ border-color:rgb(112, 198, 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, 198, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 198, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 198, 255);  
box-shadow:4px 4px 4px 4px rgb(112, 198,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.0529, 0.2268, 0.2577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 198, 255) }
```

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

```
.background{ background-color: rgb(112,  
198, 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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