

Converting Colors

$Yxy(50.4973, 0.2221, 0.2575)$

Have a look what the booklet for
Yxy(50.4973, 0.2221, 0.2575)
contains.

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Color

Yxy(50.3175, 0.2221, 0.2569)

Conversions

Conversions Part 1

Format	Color
Hex	64C6FF
RGB	100, 198, 255
RGB Percent	39%, 78%, 100%
CMY	0.6079, 0.2235, 0.0000
CMYK	0.61, 0.22, 0.00, 0.00
HSL	202°, 100%, 70%
HSV	202°, 61%, 100%
XYZ	43.5014, 50.3175, 102.0452
YIQ	175.1960, -76.7050, -3.0490

Conversions

Conversions Part 2

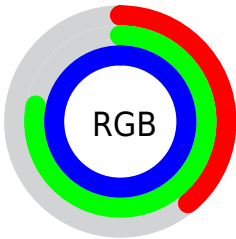
Format	Color
R _Y B	100, 160, 255
Decimal	6604543
CIE Lab	76.26, -12.37, -36.65
CIE LCh	76, 38.677, 251.355
Yxy	50.3175, 0.2221, 0.2569
Android (android.graphics.Color)	4284794623 (0xFF64C6FF)
YUV	175.1960, 39.3434, -65.9469
Hunter-Lab	70.9348, -14.6692, -35.6389

Details

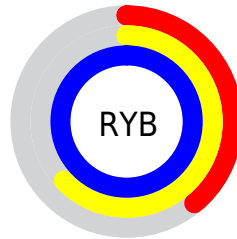
The Yxy color **50.3175, 0.2221, 0.2569** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **46.2925, 0.4635, 0.3859**, and the grayscale version is **42.7982, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4214, 0.2615, 0.3288**, and **24.0949, 0.2002, 0.2376** is the 20% darker color. If you saturate the color by 10%, you get **44.9293, 0.2108, 0.2426**, and if you desaturate by 10%, it is **56.4266, 0.2351, 0.2709**.

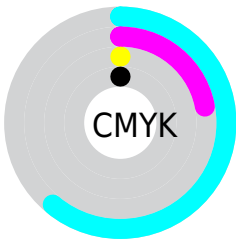
Distribution



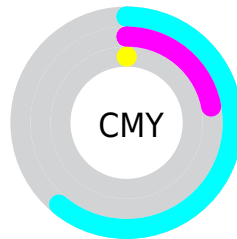
- Red (39%)
- Green (78%)
- Blue (100%)



- Red (39%)
- Yellow (63%)
- Blue (100%)



- Cyan (61%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)





- Cyan (61%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.3175, 0.2221, 0.2569 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 50.3175, 0.2221, 0.2569 by changing the saturation by 10% instead.


 50.3175, 0.2221,
0.2569


 50.3175, 0.2221,
0.2569


387.9063, 0.2648,
0.2922

 35.6657, 0.2123,
0.2485


 90.6451, 0.2370,
0.2695

 24.1762, 0.2003,
0.2380


 117.0898, 0.2427,
0.2743

 15.4643, 0.1853,
0.2246


 148.2342, 0.2477,
0.2783

 9.1459, 0.1660,
0.2069

184.4627, 0.2520,
0.2819

 4.8365, 0.1408,
0.1829

226.1598, 0.2558,
0.2850

 2.1516, 0.1075,
0.1495

273.7098, 0.2592,

 0.6934, 0.0525,

0.2877

0.1020

327.4972, 0.2622,
0.2901

0.0000, 0.0000,
0.0000

50.3175, 0.2221,
0.2569

50.3175, 0.2221,
0.2569

44.9293, 0.2108,
0.2426

56.4266, 0.2351,
0.2709

40.2122, 0.2014,
0.2282

63.2986, 0.2494,
0.2842

36.1088, 0.1942,
0.2140

70.9728, 0.2646,
0.2967

32.7901, 0.1892,
0.2012

79.4848, 0.2802,
0.3082

88.8679, 0.2959,
0.3188

99.1530, 0.3115,
0.3283

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.



50.3175, 0.2189, 0.2891



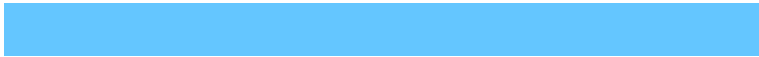
50.3175, 0.2221, 0.2569



50.3175, 0.2470, 0.2455

Triad

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



50.3175, 0.2221, 0.2569



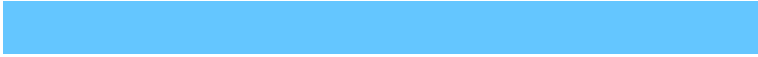
50.3175, 0.3917, 0.3136



50.3175, 0.3281, 0.4213

Complementary

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



50.3175, 0.2221, 0.2569



46.2925, 0.4635, 0.3859

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.



50.3175, 0.3772, 0.4205



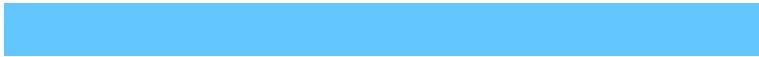
50.3175, 0.2221, 0.2569



50.3175, 0.4167, 0.3549

Square

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



50.3175, 0.2221, 0.2569



50.3175, 0.3438, 0.2777



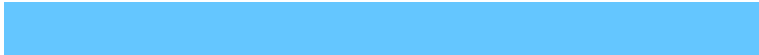
50.3175, 0.4105, 0.3940



50.3175, 0.2772, 0.3898

Rectangle

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



50.3175, 0.2221, 0.2569



50.3175, 0.2742, 0.2488



50.3175, 0.4105, 0.3940



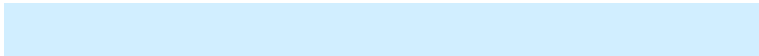
50.3175, 0.3454, 0.4246

Sweetspot

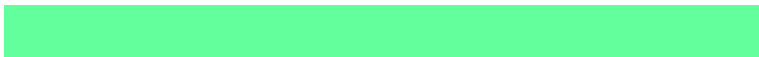
The Sweet Spot groups the original color and five complimentary colors.



50.3179, 0.2221, 0.2569



82.0097, 0.2846, 0.3113



76.6577, 0.2805, 0.4566



16.9892, 0.2800, 0.3081



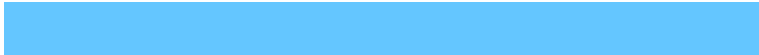
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



50.3179, 0.2221, 0.2569



43.8287, 0.2085, 0.2394



23.5223, 0.1991, 0.1556



19.2925, 0.2979, 0.3200



17.4285, 0.1899, 0.2035



1.9057, 0.1943, 0.2194

Inverse Universe

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



34.4510, 0.3794, 0.2335



29.0663, 0.3992, 0.2219



81.2154, 0.4101, 0.4559



18.1804, 0.3195, 0.3141



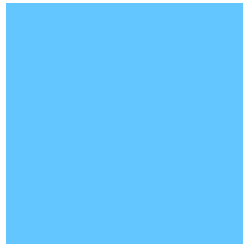
12.4874, 0.4413, 0.2205



1.2369, 0.4239, 0.2109

Previews

White Background



This preview shows how the Yxy color 50.3175, 0.2221, 0.2569 looks on a white background.

Color Contrast Check

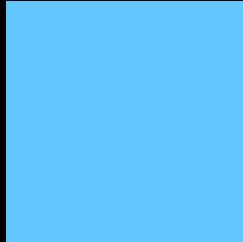
Large Text (above 18pt) WCAG AA × Fail

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 50.3175, 0.2221, 0.2569 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

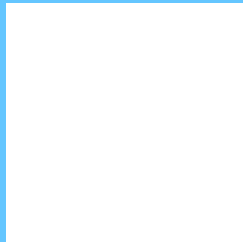
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.3175, 0.2221, 0.2569

Background



This preview shows how black text looks on a background with the Yxy color 50.3175, 0.2221, 0.2569.



This preview shows how white text looks on a background with the Yxy color 50.3175, 0.2221, 0.2569.

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

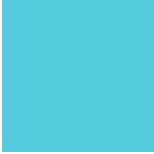
50.3175, 0.2221, 0.2569

Protanopia

49.9484, 0.2610, 0.2576

Deuteranopia

49.9173, 0.2516, 0.2466



Tritanopia

50.2910, 0.2326, 0.3054

Trichromacy



Original Color

50.3175, 0.2221, 0.2569

Protanomaly

49.6862, 0.2437, 0.2566

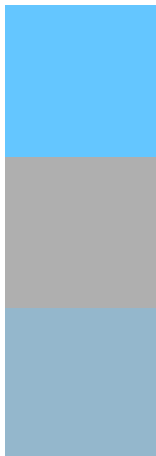
Deuteranomaly

49.7096, 0.2386, 0.2500

Tritanomaly

50.2979, 0.2288, 0.2874

Monochromacy



Original Color

50.3175, 0.2221, 0.2569

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

44.5225, 0.2703, 0.3005

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.3175, 0.2221, 0.2569 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(100, 198, 255)` looks like.

```
.text, #text, p{  
    color:rgb(100, 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(100, 198, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 198, 255) }
```

Border

The CSS property to change the border of an element to Yxy 50.3175, 0.2221, 0.2569 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(100, 198, 255) }
```

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

```
.border{ border-color:rgb(100, 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(100, 198, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 198, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 198, 255);  
box-shadow:4px 4px 4px 4px rgb(100, 198,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 50.3175, 0.2221, 0.2569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 198, 255) }
```

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

```
.background{ background-color: rgb(100,  
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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