

# Converting Colors

$Yxy(52.8533, 0.2220, 0.2791)$

Have a look what the booklet for  
Yxy(52.8533, 0.2220, 0.2791)  
contains.

<b>Yxy(52.8805, 0.2220, 0.2794)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(52.8805, 0.2220, 0.2794)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4FCFF5
RGB	79, 207, 245
RGB Percent	31%, 81%, 96%
CMY	0.6902, 0.1882, 0.0393
CMYK	0.68, 0.16, 0.00, 0.04
HSL	194°, 89%, 64%
HSV	194°, 68%, 96%
XYZ	42.0167, 52.8805, 94.3673
YIQ	173.0600, -88.4860, -15.3180

# Conversions

## Conversions Part 2

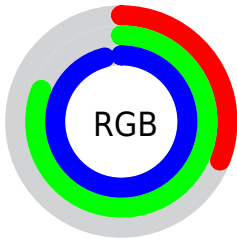
Format	Color
R <sub>Y</sub> B	79, 151, 245
Decimal	5230581
CIE Lab	77.80, -23.44, -28.95
CIE LCh	78, 37.253, 231.006
Yxy	52.8805, 0.2220, 0.2794
Android (android.graphics.Color)	4283420661 (0xFF4FCFF5)
YUV	173.0600, 35.4664, -82.4906
Hunter-Lab	72.7190, -24.1217, -26.0372

# Details

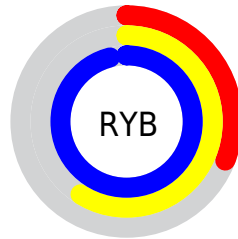
The Yxy color **52.8805, 0.2220, 0.2794** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **32.6945, 0.5079, 0.3656**, and the grayscale version is **41.6724, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7597, 0.2541, 0.3288**, and **26.1306, 0.2069, 0.2649** is the 20% darker color. If you saturate the color by 10%, you get **49.3497, 0.2141, 0.2709**, and if you desaturate by 10%, it is **56.8984, 0.2318, 0.2878**.

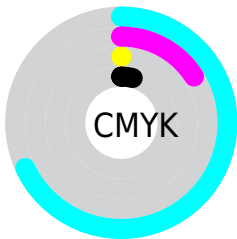
# Distribution



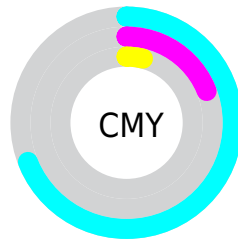
- Red (31%)
- Green (81%)
- Blue (96%)



- Red (31%)
- Yellow (59%)
- Blue (96%)



- Cyan (68%)
- Magenta (16%)
- Yellow (0%)
- Black (4%)



- Cyan (69%)
- Magenta (19%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.8805, 0.2220, 0.2794 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 52.8805, 0.2220, 0.2794 by changing the saturation by 10% instead.





 52.8805, 0.2220,  
0.2794

 52.8805, 0.2220,  
0.2794


397.8265, 0.2645,  
0.3045


 37.7074, 0.2123,  
0.2732


 94.4285, 0.2368,  
0.2885

 25.7557, 0.2004,  
0.2653


 121.5722, 0.2425,  
0.2919

 16.6409, 0.1855,  
0.2550


 153.4748, 0.2474,  
0.2948

 9.9788, 0.1664,  
0.2410

 190.5208, 0.2517,  
0.2973

 5.3849, 0.1412,  
0.2212

233.0946, 0.2555,  
0.2995

 2.4748, 0.1077,  
0.1918

281.5806, 0.2589,

 0.8640, 0.0431,

0.3014

0.1495

336.3630, 0.2618,  
0.3030

■ 0.0000, 0.0000,  
0.0000

■ 52.8805, 0.2220,  
0.2794

■ 52.8805, 0.2220,  
0.2794

■ 49.3497, 0.2141,  
0.2709

■ 56.8984, 0.2318,  
0.2878

■ 46.2544, 0.2082,  
0.2623

■ 61.4368, 0.2434,  
0.2961

■ 43.5352, 0.2041,  
0.2539

■ 66.5322, 0.2564,  
0.3039

■ 42.9551, 0.2033,  
0.2520

■ 72.2156, 0.2705,  
0.3113

■ 78.5157, 0.2854,  
0.3182

85.4590, 0.3007,  
0.3245

93.0701, 0.3162,  
0.3302

97.3809, 0.3187,  
0.3356

99.3718, 0.3185,  
0.3386

# Harmonies

## Analogous

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



52.8805, 0.2336, 0.3218



52.8805, 0.2220, 0.2794



52.8805, 0.2319, 0.2549

# Triad

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



52.8805, 0.2220, 0.2794



52.8805, 0.3583, 0.2903



52.8805, 0.3602, 0.4191

# Complementary

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



52.8805, 0.2220, 0.2794



32.6945, 0.5079, 0.3656

# 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.



52.8805, 0.3978, 0.4010



52.8805, 0.2220, 0.2794



52.8805, 0.3981, 0.3270

# Square

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



52.8805, 0.2220, 0.2794



52.8805, 0.3075, 0.2629



52.8805, 0.4126, 0.3666



52.8805, 0.3115, 0.4096



# Rectangle

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



52.8805, 0.2220, 0.2794



52.8805, 0.2498, 0.2495



52.8805, 0.4126, 0.3666



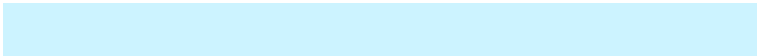
52.8805, 0.3746, 0.4157

# Sweetspot

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



52.8824, 0.2220, 0.2794



84.3560, 0.2819, 0.3167



68.1966, 0.2897, 0.5071



17.6342, 0.2777, 0.3147



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.



52.8824, 0.2220, 0.2794



52.8418, 0.2118, 0.2679



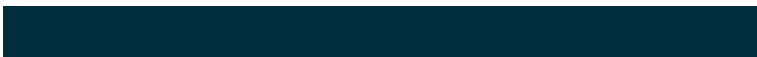
23.1847, 0.1944, 0.1659



18.0771, 0.2980, 0.3235



23.3628, 0.2037, 0.2534



2.2064, 0.2067, 0.2640



# Inverse Universe

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



29.5082, 0.3611, 0.2060



27.9519, 0.3735, 0.1945



60.3442, 0.4372, 0.4453



16.6996, 0.3173, 0.3109



12.4579, 0.3889, 0.1916

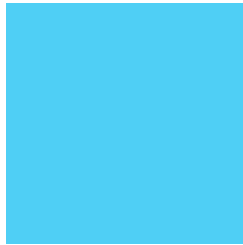


1.1104, 0.3786, 0.1859



# Previews

## White Background



This preview shows how the Yxy color 52.8805, 0.2220, 0.2794 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

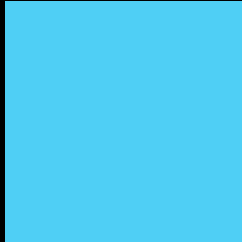
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.8805, 0.2220, 0.2794 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 52.8805, 0.2220, 0.2794**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.8805, 0.2220, 0.2794.



This preview shows how white text looks on a background with the Yxy color 52.8805, 0.2220, 0.2794.

# 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

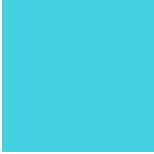
52.8805, 0.2220, 0.2794

### Protanopia

52.0451, 0.2763, 0.2775

### Deuteranopia

52.2710, 0.2638, 0.2580



## **Tritanopia**

52.8682, 0.2272, 0.3056

# Trichromacy



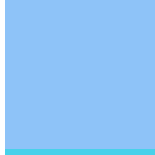
## Original Color

52.8805, 0.2220, 0.2794



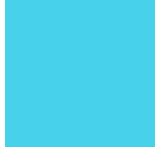
## Protanomaly

51.5236, 0.2506, 0.2775



## Deuteranomaly

51.5583, 0.2436, 0.2638



## Tritanomaly

52.9192, 0.2251, 0.2953

# Monochromacy



## Original Color

52.8805, 0.2220, 0.2794



## Achromatopsia

41.7885, 0.3127, 0.3290



## Achromatomaly

44.3104, 0.2675, 0.3095

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.8805, 0.2220, 0.2794 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(79, 207, 245)` looks like.

```
.text, #text, p{  
    color:rgb(79, 207, 245)  
}
```

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(79, 207, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 207, 245) }
```

## Border

The CSS property to change the border of an element to Yxy 52.8805, 0.2220, 0.2794 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(79, 207, 245) }
```

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

```
.border{ border-color:rgb(79, 207, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 207, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 207, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 207, 245);  
box-shadow:4px 4px 4px 4px rgb(79, 207,  
245) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.8805, 0.2220, 0.2794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 207, 245) }
```

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

```
.background{ background-color: rgb(79, 207,  
245) }
```

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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