

# Converting Colors

$Yxy(53.0436, 0.2156, 0.2452)$

Have a look what the booklet for  
Yxy(53.0436, 0.2156, 0.2452)  
contains.

<b>Yxy(51.8940, 0.2216, 0.2620)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(51.8940, 0.2216, 0.2620)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5FCAFF
RGB	95, 202, 255
RGB Percent	37%, 79%, 100%
CMY	0.6271, 0.2079, 0.0001
CMYK	0.63, 0.21, 0.00, 0.00
HSL	200°, 100%, 69%
HSV	200°, 63%, 100%
XYZ	43.8920, 51.8940, 102.2827
YIQ	176.0490, -80.7850, -6.2010

# Conversions

## Conversions Part 2

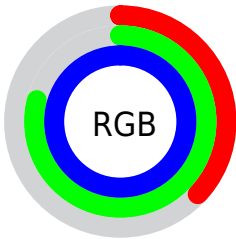
Format	Color
RYP	95, 159, 255
Decimal	6277887
CIE Lab	77.22, -15.33, -35.15
CIE LCh	77, 38.350, 246.444
Yxy	51.8940, 0.2216, 0.2620
Android (android.graphics.Color)	4284467967 (0xFF5FCAFF)
YUV	176.0490, 38.9228, -71.0800
Hunter-Lab	72.0375, -17.3066, -33.7569

# Details

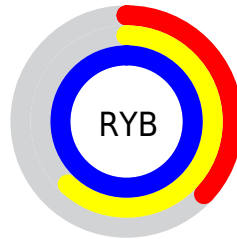
The Yxy color **51.8940, 0.2216, 0.2620** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted cyan. A complement of this color would be **43.2812, 0.4747, 0.3812**, and the grayscale version is **43.2801, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0091, 0.2596, 0.3288**, and **25.2570, 0.2013, 0.2446** is the 20% darker color. If you saturate the color by 10%, you get **46.8887, 0.2112, 0.2492**, and if you desaturate by 10%, it is **57.5667, 0.2338, 0.2745**.

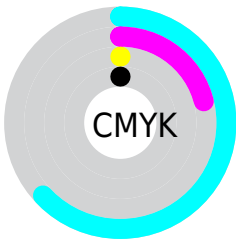
# Distribution



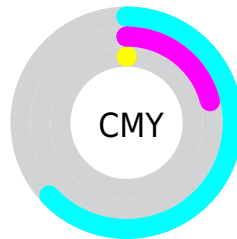
- Red (37%)
- Green (79%)
- Blue (100%)



- Red (37%)
- Yellow (62%)
- Blue (100%)



- Cyan (63%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)




- Cyan (63%)
- Magenta (21%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.8940, 0.2216, 0.2620 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 51.8940, 0.2216, 0.2620 by changing the saturation by 10% instead.




 51.8940, 0.2216,  
0.2620

 51.8940, 0.2216,  
0.2620


394.0273, 0.2643,  
0.2949


 36.9206, 0.2119,  
0.2541


 92.9749, 0.2364,  
0.2737


 25.1460, 0.2000,  
0.2443


 119.8512, 0.2422,  
0.2782

 16.1859, 0.1850,  
0.2316


 151.4639, 0.2472,  
0.2820

 9.6558, 0.1660,  
0.2149

 188.1973, 0.2515,  
0.2853

 5.1713, 0.1411,  
0.1921

230.4360, 0.2553,  
0.2882

 2.3481, 0.1082,  
0.1599

278.5643, 0.2587,

 0.7990, 0.0553,

0.2907

0.1147

332.9666, 0.2616,  
0.2930

0.0000, 0.0000,  
0.0000

51.8940, 0.2216,  
0.2620

51.8940, 0.2216,  
0.2620

46.8887, 0.2112,  
0.2492

57.5667, 0.2338,  
0.2745

42.4965, 0.2028,  
0.2363

63.9441, 0.2474,  
0.2865

38.6606, 0.1964,  
0.2236

71.0662, 0.2621,  
0.2979

36.1521, 0.1929,  
0.2145

78.9681, 0.2774,  
0.3084

87.6821, 0.2930,  
0.3180

97.2386, 0.3085,  
0.3268

99.9979, 0.3127,  
0.3290

# Harmonies

## Analogous

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



51.8940, 0.2220, 0.2969



51.8940, 0.2216, 0.2620



51.8940, 0.2427, 0.2474

# Triad

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



51.8940, 0.2216, 0.2620



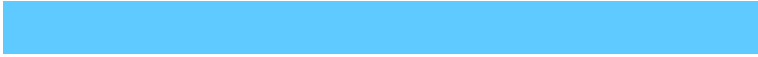
51.8940, 0.3837, 0.3076



51.8940, 0.3363, 0.4215

# Complementary

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



51.8940, 0.2216, 0.2620



43.2812, 0.4747, 0.3812

# 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.



51.8940, 0.3828, 0.4160



51.8940, 0.2216, 0.2620



51.8940, 0.4127, 0.3478

# Square

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



51.8940, 0.2216, 0.2620



51.8940, 0.3346, 0.2737



51.8940, 0.4118, 0.3872

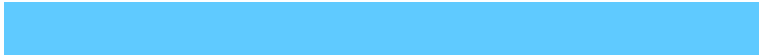


51.8940, 0.2856, 0.3955



# Rectangle

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



51.8940, 0.2216, 0.2620



51.8940, 0.2677, 0.2486



51.8940, 0.4118, 0.3872



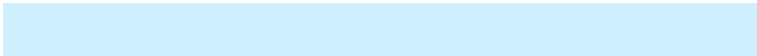
51.8940, 0.3530, 0.4231

# Sweetspot

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



51.8959, 0.2216, 0.2620



82.1230, 0.2831, 0.3121



76.0039, 0.2835, 0.4721



17.0579, 0.2787, 0.3092



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.



51.8959, 0.2216, 0.2620



45.8408, 0.2091, 0.2462



24.1723, 0.1978, 0.1592



19.4077, 0.2980, 0.3209



19.1810, 0.1935, 0.2166



2.0682, 0.1975, 0.2309



# Inverse Universe

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



33.7192, 0.3754, 0.2261



28.6883, 0.3931, 0.2147



76.2883, 0.4177, 0.4526



18.1920, 0.3189, 0.3132



12.6643, 0.4269, 0.2125

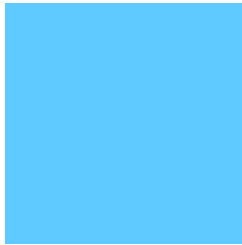


1.2533, 0.4117, 0.2041



# Previews

## White Background



This preview shows how the Yxy color 51.8940, 0.2216, 0.2620 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

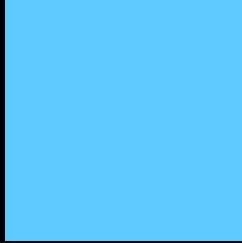
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.8940, 0.2216, 0.2620 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

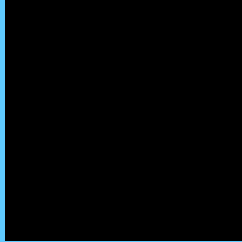
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

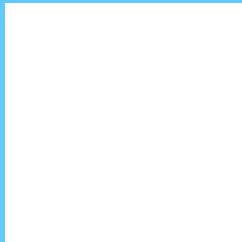
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 51.8940, 0.2216, 0.2620**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.8940, 0.2216, 0.2620.



This preview shows how white text looks on a background with the Yxy color 51.8940, 0.2216, 0.2620.

# 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

51.8940, 0.2216, 0.2620

### Protanopia

51.1863, 0.2646, 0.2615

### Deuteranopia

51.3067, 0.2550, 0.2497



## Tritanopia

51.7129, 0.2309, 0.3056

# Trichromacy



**Original Color**

51.8940, 0.2216, 0.2620

**Protanomaly**

50.5876, 0.2452, 0.2604

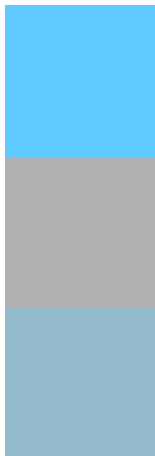
**Deuteranomaly**

50.7589, 0.2401, 0.2527

**Tritanomaly**

51.5921, 0.2272, 0.2889

# Monochromacy



**Original Color**

51.8940, 0.2216, 0.2620

**Achromatopsia**

43.4154, 0.3127, 0.3290

**Achromatomaly**

45.3087, 0.2692, 0.3019

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.8940, 0.2216, 0.2620 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(95, 202, 255)` looks like.

```
.text, #text, p{  
    color:rgb(95, 202, 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(95, 202, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 202, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 51.8940, 0.2216, 0.2620 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(95, 202, 255) }
```

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

```
.border{ border-color:rgb(95, 202, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 202, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 202, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 202, 255);  
box-shadow:4px 4px 4px 4px rgb(95, 202,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.8940, 0.2216, 0.2620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 202, 255) }
```

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

```
.background{ background-color: rgb(95, 202,  
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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