

Converting Colors

$Y_{xy}(50.2330, 0.2195, 0.2692)$

Have a look what the booklet for
Yxy(50.2330, 0.2195, 0.2692)
contains.

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Color

Yxy(50.1942, 0.2195, 0.2688)

Conversions

Conversions Part 1

Format	Color
Hex	50C9F7
RGB	80, 201, 247
RGB Percent	31%, 79%, 97%
CMY	0.6862, 0.2118, 0.0312
CMYK	0.68, 0.19, 0.00, 0.03
HSL	197°, 91%, 64%
HSV	197°, 68%, 97%
XYZ	40.9882, 50.1942, 95.5520
YIQ	170.0650, -86.8820, -11.3460

Conversions

Conversions Part 2

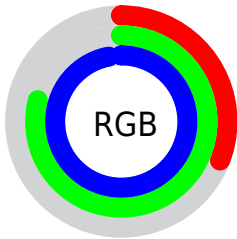
Format	Color
RYB	80, 150, 247
Decimal	5294583
CIELab	76.19, -19.61, -32.53
CIELCh	76, 37.987, 238.923
Yxy	50.1942, 0.2195, 0.2688
Android (android.graphics.Color)	4283484663 (0xFF50C9F7)
YUV	170.0650, 37.9290, -78.9870
Hunter-Lab	70.8479, -20.7147, -30.3705

Details

The Yxy color **50.1942, 0.2195, 0.2688** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **35.2962, 0.5004, 0.3735**, and the grayscale version is **40.0762, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8510, 0.2545, 0.3288**, and **24.5851, 0.2039, 0.2542** is the 20% darker color. If you saturate the color by 10%, you get **46.2061, 0.2109, 0.2583**, and if you desaturate by 10%, it is **54.7217, 0.2300, 0.2792**.

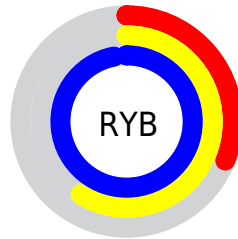
Distribution



Red (31%)

Green (79%)

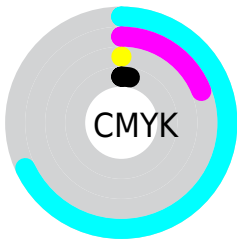
Blue (97%)



Red (31%)

Yellow (59%)

Blue (97%)

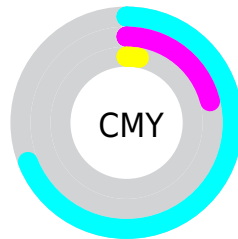


Cyan (68%)

Magenta (19%)

Yellow (0%)

Black (3%)



Cyan (69%)

Magenta (21%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.1942, 0.2195, 0.2688 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 50.1942, 0.2195, 0.2688 by changing the saturation by 10% instead.

50.1942, 0.2195,
0.2688

50.1942, 0.2195,
0.2688

387.4249, 0.2634,
0.2990

35.5677, 0.2094,
0.2614

90.4625, 0.2348,
0.2797

24.1005, 0.1971,
0.2521

116.8732, 0.2407,
0.2838

15.4082, 0.1816,
0.2399

147.9807, 0.2458,
0.2873

9.1064, 0.1617,
0.2236

184.1695, 0.2503,
0.2903

4.8106, 0.1357,
0.2010

225.8239, 0.2542,
0.2929

2.1366, 0.1012,
0.1681

273.3283, 0.2576,

0.6851, 0.0303,

0.2952

0.1205

327.0672, 0.2607,
0.2972

0.0000, 0.0000,
0.0000

50.1942, 0.2195,
0.2688

50.1942, 0.2195,
0.2688

46.2061, 0.2109,
0.2583

54.7217, 0.2300,
0.2792

42.7044, 0.2043,
0.2478

59.8239, 0.2423,
0.2892

39.6284, 0.1996,
0.2375

65.5385, 0.2558,
0.2988

38.9341, 0.1986,
0.2350

71.8979, 0.2703,
0.3077

78.9320, 0.2855,
0.3161

86.6686, 0.3009,
0.3237

95.1335, 0.3164,
0.3306

99.4976, 0.3173,
0.3366

Harmonies

Analogous

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



50.1942, 0.2255, 0.3084



50.1942, 0.2195, 0.2688



50.1942, 0.2354, 0.2490

Triad

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



50.1942, 0.2195, 0.2688



50.1942, 0.3727, 0.2982



50.1942, 0.3490, 0.4232

Complementary

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



50.1942, 0.2195, 0.2688



35.2962, 0.5004, 0.3735

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.



50.1942, 0.3924, 0.4106



50.1942, 0.2195, 0.2688



50.1942, 0.4083, 0.3375

Square

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



50.1942, 0.2195, 0.2688



50.1942, 0.3212, 0.2669



50.1942, 0.4151, 0.3779



50.1942, 0.2979, 0.4050

Rectangle

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



50.1942, 0.2195, 0.2688



50.1942, 0.2573, 0.2470



50.1942, 0.4151, 0.3779



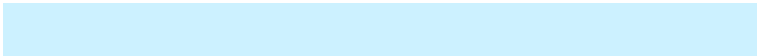
50.1942, 0.3650, 0.4220

Sweetspot

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



50.1960, 0.2195, 0.2688



82.9336, 0.2818, 0.3141



69.7191, 0.2864, 0.4960



17.2904, 0.2775, 0.3118



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.



50.1960, 0.2195, 0.2688



48.2771, 0.2083, 0.2546



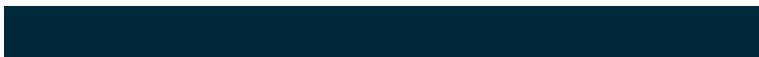
21.6148, 0.1919, 0.1554



17.9402, 0.2980, 0.3223



20.8343, 0.1991, 0.2368



2.0026, 0.2027, 0.2497

Inverse Universe

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



29.7375, 0.3704, 0.2127



27.4911, 0.3861, 0.2021



65.5036, 0.4307, 0.4522



16.6858, 0.3180, 0.3120



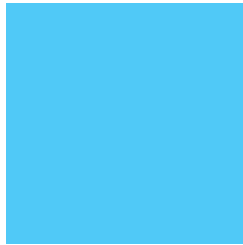
12.2026, 0.4056, 0.2008



1.0898, 0.3925, 0.1936

Previews

White Background



This preview shows how the Yxy color 50.1942, 0.2195, 0.2688 looks on a white background.

Color Contrast Check

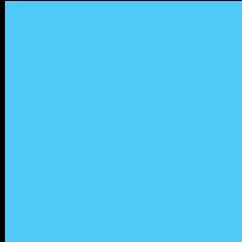
Large Text (above 18pt) WCAG AA × Fail

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 50.1942, 0.2195, 0.2688 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

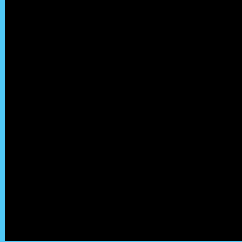
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

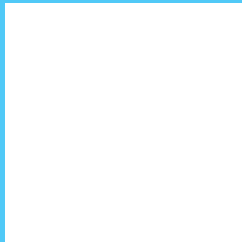
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.1942, 0.2195, 0.2688

Background



This preview shows how black text looks on a background with the Yxy color 50.1942, 0.2195, 0.2688.



This preview shows how white text looks on a background with the Yxy color 50.1942, 0.2195, 0.2688.

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

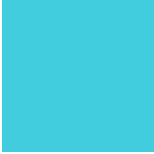
50.1942, 0.2195, 0.2688

Protanopia

49.6948, 0.2691, 0.2685

Deuteranopia

49.6810, 0.2562, 0.2499



Tritanopia

50.0604, 0.2267, 0.3051

Trichromacy



Original Color

50.1942, 0.2195, 0.2688

Protanomaly

49.0690, 0.2462, 0.2684

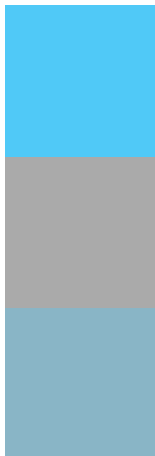
Deuteranomaly

49.0474, 0.2389, 0.2548

Tritanomaly

50.2573, 0.2240, 0.2921

Monochromacy



Original Color

50.1942, 0.2195, 0.2688

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

42.4433, 0.2662, 0.3050

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.1942, 0.2195, 0.2688 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(80, 201, 247)` looks like.

```
.text, #text, p{  
    color:rgb(80, 201, 247)  
}
```

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(80, 201, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 201, 247) }
```

Border

The CSS property to change the border of an element to Yxy 50.1942, 0.2195, 0.2688 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(80, 201, 247) }
```

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

```
.border{ border-color:rgb(80, 201, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 201, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 201, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 201, 247);  
box-shadow:4px 4px 4px 4px rgb(80, 201,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 50.1942, 0.2195, 0.2688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 201, 247) }
```

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

```
.background{ background-color: rgb(80, 201,  
247) }
```

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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