

Converting Colors

$Yxy(58.4763, 0.2189, 0.2820)$

Have a look what the booklet for
Yxy(58.4763, 0.2189, 0.2820)
contains.

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Color

Yxy(58.5561, 0.2190, 0.2822)

Conversions

Conversions Part 1

Format	Color
Hex	43DAFF
RGB	67, 218, 255
RGB Percent	26%, 85%, 100%
CMY	0.7366, 0.1451, 0.0001
CMYK	0.74, 0.15, 0.00, 0.00
HSL	192°, 100%, 63%
HSV	192°, 74%, 100%
XYZ	45.4422, 58.5561, 103.5003
YIQ	177.0690, -101.8730, -20.5050

Conversions

Conversions Part 2

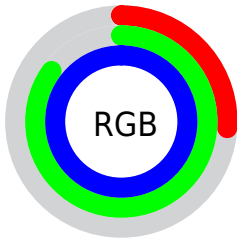
Format	Color
R _{YB}	67, 151, 255
Decimal	4446975
CIE Lab	81.05, -27.34, -29.33
CIE LCh	81, 40.091, 227.012
Yxy	58.5561, 0.2190, 0.2822
Android (android.graphics.Color)	4282637055 (0xFF43DAFF)
YUV	177.0690, 38.4200, -96.5305
Hunter-Lab	76.5220, -27.9121, -26.6277

Details

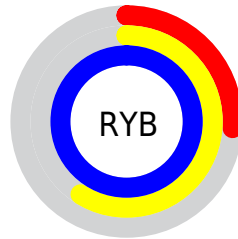
The Yxy color **58.5561, 0.2190, 0.2822** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **31.5985, 0.5380, 0.3600**, and the grayscale version is **43.8651, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2290, 0.2516, 0.3288**, and **30.2716, 0.2087, 0.2712** is the 20% darker color. If you saturate the color by 10%, you get **55.2788, 0.2127, 0.2749**, and if you desaturate by 10%, it is **62.3131, 0.2272, 0.2895**.

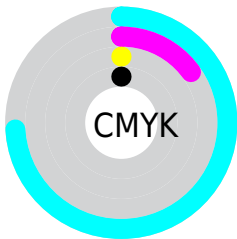
Distribution



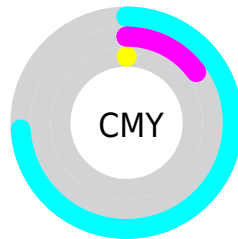
- Red (26%)
- Green (85%)
- Blue (100%)



- Red (26%)
- Yellow (59%)
- Blue (100%)



- Cyan (74%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)





- Cyan (74%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.5561, 0.2190, 0.2822 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 58.5561, 0.2190, 0.2822 by changing the saturation by 10% instead.


 58.5561, 0.2190,
0.2822

 58.5561, 0.2190,
0.2822


419.2549, 0.2620,
0.3057


 42.2559, 0.2094,
0.2764


 102.7322, 0.2338,
0.2907


 29.3017, 0.1977,
0.2691


 131.3769, 0.2396,
0.2939

 19.3092, 0.1832,
0.2597


 164.9052, 0.2446,
0.2966

 11.8939, 0.1648,
0.2469

 203.7016, 0.2490,
0.2990

 6.6715, 0.1411,
0.2292

248.1503, 0.2528,
0.3010

 3.2575, 0.1099,
0.2031

298.6358, 0.2562,

 1.2676, 0.0641,

0.3028

0.1640

355.5426, 0.2593,
0.3043

0.1159, 0.0000,
0.0404

0.0000, 0.0000,
0.0000

58.5561, 0.2190,
0.2822

58.5561, 0.2190,
0.2822

55.2788, 0.2127,
0.2749

62.3131, 0.2272,
0.2895

52.4180, 0.2084,
0.2677

66.5905, 0.2374,
0.2966

50.7684, 0.2065,
0.2632

71.4307, 0.2492,
0.3035

76.8698, 0.2624,
0.3101

■ 82.9406, 0.2766,
0.3162

■ 89.6732, 0.2916,
0.3220

■ 97.0956, 0.3070,
0.3272

■ 99.9990, 0.3127,
0.3290

Harmonies

Analogous

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



58.5561, 0.2338, 0.3282



58.5561, 0.2190, 0.2822



58.5561, 0.2263, 0.2542

Triad

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



58.5561, 0.2190, 0.2822



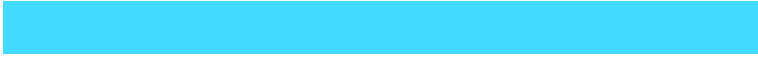
58.5561, 0.3533, 0.2844



58.5561, 0.3680, 0.4217

Complementary

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



58.5561, 0.2190, 0.2822



31.5985, 0.5380, 0.3600

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.



58.5561, 0.4047, 0.3994



58.5561, 0.2190, 0.2822



58.5561, 0.3973, 0.3213

Square

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



58.5561, 0.2190, 0.2822



58.5561, 0.3003, 0.2578



58.5561, 0.4164, 0.3623



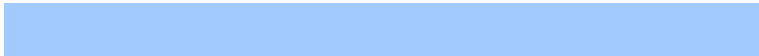
58.5561, 0.3182, 0.4163

Rectangle

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



58.5561, 0.2190, 0.2822



58.5561, 0.2431, 0.2470



58.5561, 0.4164, 0.3623



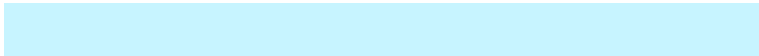
58.5561, 0.3824, 0.4167

Sweetspot

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



58.5582, 0.2190, 0.2822



84.0202, 0.2791, 0.3172



73.6607, 0.2918, 0.5312



17.6113, 0.2751, 0.3156



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.



58.5582, 0.2190, 0.2822



53.9959, 0.2106, 0.2718



23.5067, 0.1873, 0.1577



19.8377, 0.2980, 0.3242



26.7461, 0.2068, 0.2644



2.7520, 0.2091, 0.2726

Inverse Universe

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



30.3539, 0.3595, 0.1952



26.9125, 0.3706, 0.1866



60.9241, 0.4529, 0.4459



18.2354, 0.3168, 0.3101



13.4280, 0.3782, 0.1857



1.3224, 0.3704, 0.1814

Previews

White Background



This preview shows how the Yxy color 58.5561, 0.2190, 0.2822 looks on a white background.

Color Contrast Check

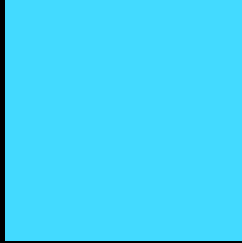
Large Text (above 18pt) WCAG AA × Fail

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 58.5561, 0.2190, 0.2822 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

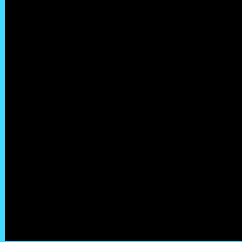
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.5561, 0.2190, 0.2822

Background



This preview shows how black text looks on a background with the Yxy color 58.5561, 0.2190, 0.2822.

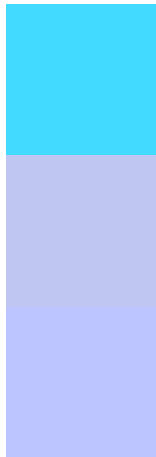


This preview shows how white text looks on a background with the Yxy color 58.5561, 0.2190, 0.2822.

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

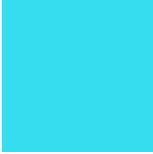
58.5561, 0.2190, 0.2822

Protanopia

57.6862, 0.2777, 0.2796

Deuteranopia

57.8439, 0.2680, 0.2638



Tritanopia

58.7292, 0.2232, 0.3052

Trichromacy



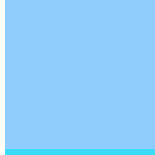
Original Color

58.5561, 0.2190, 0.2822



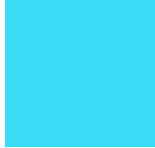
Protanomaly

56.3362, 0.2484, 0.2790



Deuteranomaly

56.8119, 0.2435, 0.2692



Tritanomaly

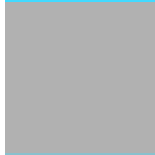
58.7088, 0.2216, 0.2965

Monochromacy



Original Color

58.5561, 0.2190, 0.2822



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

47.4254, 0.2637, 0.3112

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.5561, 0.2190, 0.2822 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(67, 218, 255)` looks like.

```
.text, #text, p{  
    color:rgb(67, 218, 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(67, 218, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 218, 255) }
```

Border

The CSS property to change the border of an element to Yxy 58.5561, 0.2190, 0.2822 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(67, 218, 255) }
```

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

```
.border{ border-color:rgb(67, 218, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 218, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(67, 218, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(67, 218, 255); box-shadow:4px 4px 4px 4px rgb(67, 218, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 58.5561, 0.2190, 0.2822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 218, 255) }
```

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

```
.background{ background-color: rgb(67, 218,  
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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