

Converting Colors

$Yxy(59.3628, 0.2215, 0.2836)$

Have a look what the booklet for
Yxy(59.3628, 0.2215, 0.2836)
contains.

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Color

Yxy(59.4608, 0.2216, 0.2838)

Conversions

Conversions Part 1

Format	Color
Hex	4DDBFF
RGB	77, 219, 255
RGB Percent	30%, 86%, 100%
CMY	0.6988, 0.1411, 0.0000
CMYK	0.70, 0.14, 0.00, 0.00
HSL	192°, 100%, 65%
HSV	192°, 70%, 100%
XYZ	46.4289, 59.4608, 103.6269
YIQ	180.6460, -96.1880, -18.9080

Conversions

Conversions Part 2

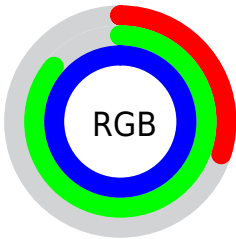
Format	Color
RYB	77, 156, 255
Decimal	5102591
CIELab	81.54, -26.67, -28.55
CIElCh	82, 39.068, 226.949
Yxy	59.4608, 0.2216, 0.2838
Android (android.graphics.Color)	4283292671 (0xFF4DDBFF)
YUV	180.6460, 36.6565, -90.8975
Hunter-Lab	77.1108, -27.4681, -25.7004




Details

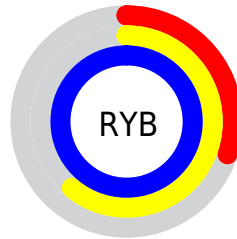
The Yxy color **59.4608, 0.2216, 0.2838** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **33.5538, 0.5214, 0.3611**, and the grayscale version is **45.8197, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8510, 0.2545, 0.3288**, and **30.6281, 0.2092, 0.2730** is the 20% darker color. If you saturate the color by 10%, you get **55.9599, 0.2145, 0.2763**, and if you desaturate by 10%, it is **63.4641, 0.2306, 0.2912**.

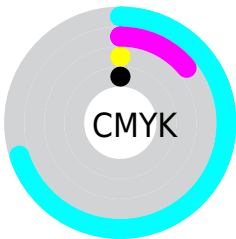
Distribution







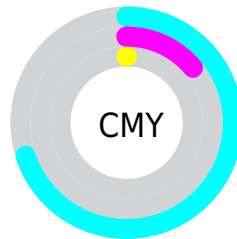
-  Red (30%)
-  Green (86%)
-  Blue (100%)






-  Red (30%)
-  Yellow (61%)
-  Blue (100%)



-  Cyan (70%)
-  Magenta (14%)
-  Yellow (0%)
-  Black (0%)





-  Cyan (70%)
-  Magenta (14%)
-  Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.4608, 0.2216, 0.2838 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 59.4608, 0.2216, 0.2838 by changing the saturation by 10% instead.

 59.4608, 0.2216,
0.2838


 59.4608, 0.2216,
0.2838


422.6074, 0.2634,
0.3065

 42.9842, 0.2123,
0.2783


 104.0471, 0.2360,
0.2920

 29.8727, 0.2009,
0.2713


 132.9255, 0.2416,
0.2951

 19.7420, 0.1868,
0.2622


 166.7067, 0.2465,
0.2977

 12.2076, 0.1689,
0.2499

 205.7750, 0.2507,
0.2999

 6.8852, 0.1457,
0.2329

250.5149, 0.2545,
0.3019

 3.3904, 0.1151,
0.2078

301.3106, 0.2578,

 1.3388, 0.0715,

0.3036

0.1698

358.5467, 0.2607,
0.3051

0.1710, 0.0000,
0.0582

0.0000, 0.0000,
0.0000

59.4608, 0.2216,
0.2838

59.4608, 0.2216,
0.2838

55.9599, 0.2145,
0.2763

63.4641, 0.2306,
0.2912

52.9025, 0.2094,
0.2689

68.0075, 0.2415,
0.2985

50.2063, 0.2060,
0.2616

73.1318, 0.2539,
0.3054

50.1734, 0.2060,
0.2615

78.8719, 0.2676,
0.3120

■ 85.2594, 0.2822,
0.3182

■ 92.3238, 0.2974,
0.3239

99.9993, 0.3127,
0.3290

Harmonies

Analogous

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



59.4608, 0.2361, 0.3285



59.4608, 0.2216, 0.2838



59.4608, 0.2287, 0.2564

Triad

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



59.4608, 0.2216, 0.2838



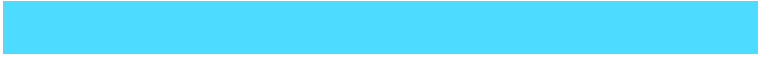
59.4608, 0.3520, 0.2856



59.4608, 0.3666, 0.4188

Complementary

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



59.4608, 0.2216, 0.2838



33.5538, 0.5214, 0.3611

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.



59.4608, 0.4021, 0.3975



59.4608, 0.2216, 0.2838



59.4608, 0.3946, 0.3216

Square

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



59.4608, 0.2216, 0.2838



59.4608, 0.3006, 0.2597



59.4608, 0.4132, 0.3615



59.4608, 0.3183, 0.4135

Rectangle

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



59.4608, 0.2216, 0.2838



59.4608, 0.2450, 0.2493



59.4608, 0.4132, 0.3615



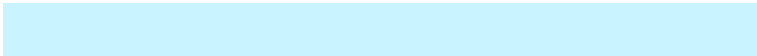
59.4608, 0.3805, 0.4141

Sweetspot

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



59.4630, 0.2216, 0.2838



84.5154, 0.2805, 0.3175



74.2628, 0.2907, 0.5171



17.7025, 0.2764, 0.3159



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.



59.4630, 0.2216, 0.2838



54.6533, 0.2122, 0.2732



24.8265, 0.1918, 0.1636



19.8218, 0.2980, 0.3241



26.4377, 0.2063, 0.2627



2.7245, 0.2086, 0.2711

Inverse Universe

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



31.6557, 0.3576, 0.1998



27.5733, 0.3689, 0.1888



63.8154, 0.4435, 0.4452



18.2338, 0.3169, 0.3102



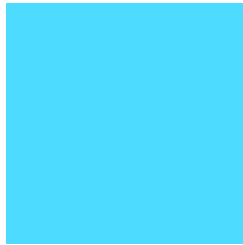
13.3969, 0.3798, 0.1866



1.3196, 0.3718, 0.1822

Previews

White Background



This preview shows how the Yxy color 59.4608, 0.2216, 0.2838 looks on a white background.

Color Contrast Check

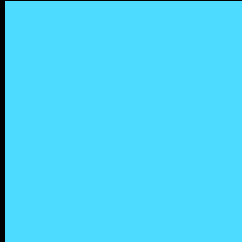
Large Text (above 18pt) WCAG AA × Fail

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 59.4608, 0.2216, 0.2838 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 59.4608, 0.2216, 0.2838

Background



This preview shows how black text looks on a background with the Yxy color 59.4608, 0.2216, 0.2838.

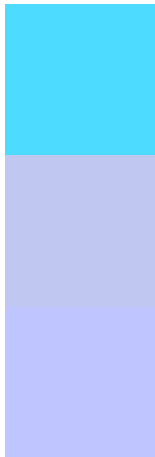


This preview shows how white text looks on a background with the Yxy color 59.4608, 0.2216, 0.2838.

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

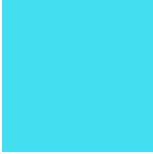
59.4608, 0.2216, 0.2838

Protanopia

58.4042, 0.2792, 0.2810

Deuteranopia

58.6845, 0.2700, 0.2653



Tritanopia

59.7271, 0.2259, 0.3055

Trichromacy



Original Color

59.4608, 0.2216, 0.2838



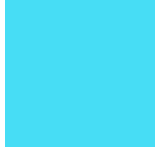
Protanomaly

57.2805, 0.2513, 0.2806



Deuteranomaly

57.7522, 0.2463, 0.2708



Tritanomaly

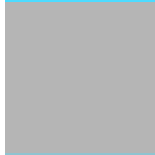
59.6451, 0.2246, 0.2981

Monochromacy



Original Color

59.4608, 0.2216, 0.2838



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

49.4239, 0.2662, 0.3115

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.4608, 0.2216, 0.2838 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(77, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 219, 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(77, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 219, 255) }
```

Border

The CSS property to change the border of an element to Yxy 59.4608, 0.2216, 0.2838 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(77, 219, 255) }
```

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

```
.border{ border-color:rgb(77, 219, 255) }
```

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

Here you see how a box with a 4 pixel rgb(77, 219, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 219, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 219, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 219,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 59.4608, 0.2216, 0.2838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 219, 255) }
```

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

```
.background{ background-color: rgb(77, 219,  
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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