

Converting Colors

$Yxy(58.0723, 0.2199, 0.2805)$

Have a look what the booklet for
Yxy(58.0723, 0.2199, 0.2805)
contains.

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Color

Yxy(58.2622, 0.2200, 0.2810)

Conversions

Conversions Part 1

Format	Color
Hex	49D9FF
RGB	73, 217, 255
RGB Percent	29%, 85%, 100%
CMY	0.7135, 0.1490, 0.0000
CMYK	0.71, 0.15, 0.00, 0.00
HSL	193°, 100%, 64%
HSV	193°, 71%, 100%
XYZ	45.6145, 58.2622, 103.4621
YIQ	178.2760, -98.0220, -18.7100

Conversions

Conversions Part 2

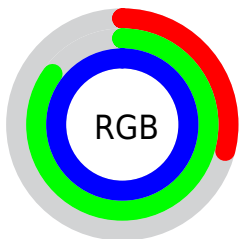
Format	Color
R _Y B	73, 153, 255
Decimal	4839935
CIE Lab	80.88, -26.14, -29.58
CIE LCh	81, 39.477, 228.534
Yxy	58.2622, 0.2200, 0.2810
Android (android.graphics.Color)	4283030015 (0xFF49D9FF)
YUV	178.2760, 37.8249, -92.3271
Hunter-Lab	76.3297, -26.9055, -26.9346

Details

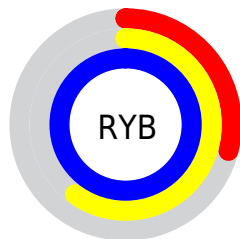
The Yxy color **58.2622, 0.2200, 0.2810** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **33.1217, 0.5265, 0.3623**, and the grayscale version is **44.5166, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5796, 0.2532, 0.3288**, and **29.9179, 0.2082, 0.2695** is the 20% darker color. If you saturate the color by 10%, you get **54.7609, 0.2131, 0.2733**, and if you desaturate by 10%, it is **62.2623, 0.2289, 0.2887**.

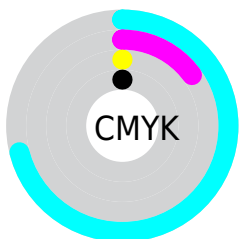
Distribution



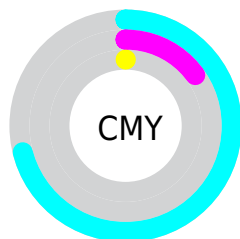
- Red (29%)
- Green (85%)
- Blue (100%)



- Red (29%)
- Yellow (60%)
- Blue (100%)



- Cyan (71%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)




- Cyan (71%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.2622, 0.2200, 0.2810 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 58.2622, 0.2200, 0.2810 by changing the saturation by 10% instead.


 58.2622, 0.2200,
0.2810

 58.2622, 0.2200,
0.2810


418.1622, 0.2626,
0.3051


 42.0195, 0.2105,
0.2751

 102.3046, 0.2347,
0.2897

 29.1165, 0.1989,
0.2677


 130.8730, 0.2404,
0.2930

 19.1690, 0.1844,
0.2581

 164.3189, 0.2454,
0.2957

 11.7925, 0.1662,
0.2452

 203.0264, 0.2497,
0.2981

 6.6025, 0.1425,
0.2272

247.3802, 0.2535,
0.3002

 3.2148, 0.1114,
0.2008

297.7644, 0.2569,

 1.2449, 0.0658,

0.3020

0.1614

354.5637, 0.2599,
0.3036

0.0979, 0.0000,
0.0344

0.0000, 0.0000,
0.0000

58.2622, 0.2200,
0.2810

58.2622, 0.2200,
0.2810

54.7609, 0.2131,
0.2733

62.2623, 0.2289,
0.2887

51.7008, 0.2082,
0.2656

66.8032, 0.2396,
0.2963

49.3399, 0.2053,
0.2590

71.9255, 0.2519,
0.3035

77.6646, 0.2654,
0.3105

84.0526, 0.2800,
0.3169

91.1193, 0.2951,
0.3229

98.8924, 0.3106,
0.3283

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



58.2622, 0.2336, 0.3257



58.2622, 0.2200, 0.2810



58.2622, 0.2284, 0.2543

Triad

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



58.2622, 0.2200, 0.2810



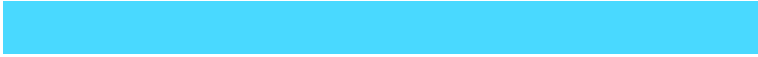
58.2622, 0.3553, 0.2866



58.2622, 0.3650, 0.4209

Complementary

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



58.2622, 0.2200, 0.2810



33.1217, 0.5265, 0.3623

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.



58.2622, 0.4022, 0.4002



58.2622, 0.2200, 0.2810



58.2622, 0.3978, 0.3235

Square

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



58.2622, 0.2200, 0.2810



58.2622, 0.3030, 0.2597



58.2622, 0.4151, 0.3640



58.2622, 0.3156, 0.4139

Rectangle

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



58.2622, 0.2200, 0.2810



58.2622, 0.2456, 0.2478



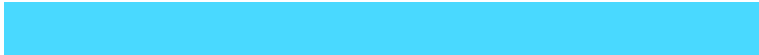
58.2622, 0.4151, 0.3640



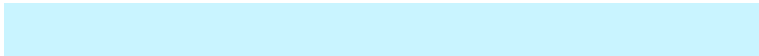
58.2622, 0.3794, 0.4165

Sweetspot

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



58.2632, 0.2200, 0.2810



84.2905, 0.2805, 0.3171



74.0520, 0.2907, 0.5213



17.6484, 0.2764, 0.3154



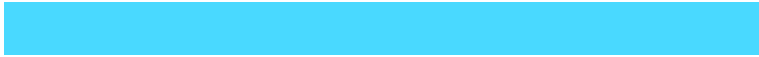
0.0000, 0.0000, 0.0000



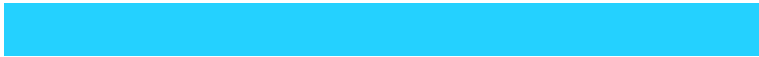
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.2632, 0.2200, 0.2810



53.2877, 0.2106, 0.2697



23.9815, 0.1896, 0.1597



19.7993, 0.2980, 0.3239



26.0045, 0.2056, 0.2602



2.6859, 0.2081, 0.2690

Inverse Universe

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



31.0412, 0.3602, 0.1992



27.1169, 0.3724, 0.1891



63.2426, 0.4462, 0.4465



18.2315, 0.3170, 0.3104



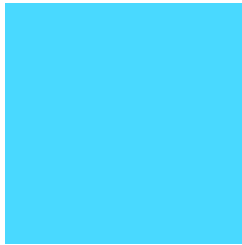
13.3531, 0.3822, 0.1879



1.3157, 0.3738, 0.1833

Previews

White Background



This preview shows how the Yxy color 58.2622, 0.2200, 0.2810 looks on a white background.

Color Contrast Check

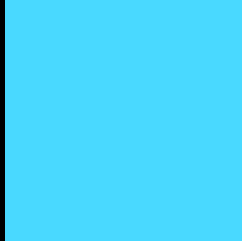
Large Text (above 18pt) WCAG AA × Fail

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 58.2622, 0.2200, 0.2810 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 58.2622, 0.2200, 0.2810

Background



This preview shows how black text looks on a background with the Yxy color 58.2622, 0.2200, 0.2810.

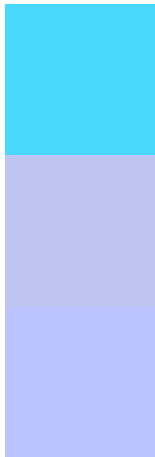


This preview shows how white text looks on a background with the Yxy color 58.2622, 0.2200, 0.2810.

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

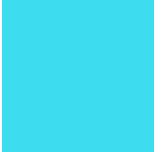
58.2622, 0.2200, 0.2810

Protanopia

57.2305, 0.2777, 0.2784

Deuteranopia

57.2647, 0.2672, 0.2625



Tritanopia

58.3515, 0.2246, 0.3052

Trichromacy



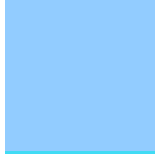
Original Color

58.2622, 0.2200, 0.2810



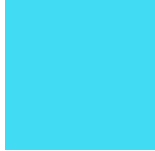
Protanomaly

56.0426, 0.2492, 0.2779



Deuteranomaly

56.5167, 0.2443, 0.2681



Tritanomaly

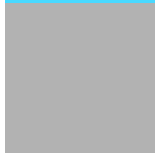
58.3185, 0.2229, 0.2965

Monochromacy



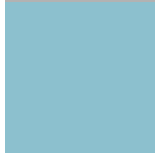
Original Color

58.2622, 0.2200, 0.2810



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

47.7310, 0.2650, 0.3100

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.2622, 0.2200, 0.2810 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(73, 217, 255)` looks like.

```
.text, #text, p{  
    color:rgb(73, 217, 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(73, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 217, 255) }
```

Border

The CSS property to change the border of an element to Yxy 58.2622, 0.2200, 0.2810 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(73, 217, 255) }
```

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

```
.border{ border-color:rgb(73, 217, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 217, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 217, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 217, 255);  
box-shadow:4px 4px 4px 4px rgb(73, 217,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 58.2622, 0.2200, 0.2810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 217, 255) }
```

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

```
.background{ background-color: rgb(73, 217,  
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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