

Converting Colors

$Y_{xy}(58.5055, 0.2209, 0.2814)$

Have a look what the booklet for
Yxy(58.5055, 0.2209, 0.2814)
contains.

Yxy(58.3822, 0.2207, 0.2811)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(58.3822, 0.2207, 0.2811)

Conversions

Conversions Part 1

Format	Color
Hex	4CD9FF
RGB	76, 217, 255
RGB Percent	30%, 85%, 100%
CMY	0.7024, 0.1490, 0.0000
CMYK	0.70, 0.15, 0.00, 0.00
HSL	193°, 100%, 65%
HSV	193°, 70%, 100%
XYZ	45.8376, 58.3822, 103.4721
YIQ	179.1730, -96.2340, -18.0740

Conversions

Conversions Part 2

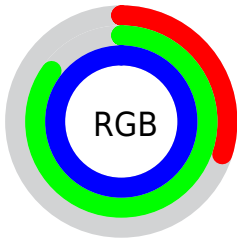
Format	Color
RYB	76, 155, 255
Decimal	5036543
CIELab	80.95, -25.79, -29.47
CIElCh	81, 39.165, 228.813
Yxy	58.3822, 0.2207, 0.2811
Android (android.graphics.Color)	4283226623 (0xFF4CD9FF)
YUV	179.1730, 37.3827, -90.4827
Hunter-Lab	76.4082, -26.6316, -26.8048

Details

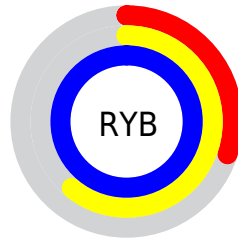
The Yxy color **58.3822, 0.2207, 0.2811** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **33.7863, 0.5214, 0.3629**, and the grayscale version is **44.9958, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7597, 0.2541, 0.3288**, and **29.9179, 0.2082, 0.2695** is the 20% darker color. If you saturate the color by 10%, you get **54.7967, 0.2136, 0.2732**, and if you desaturate by 10%, it is **62.4747, 0.2298, 0.2889**.

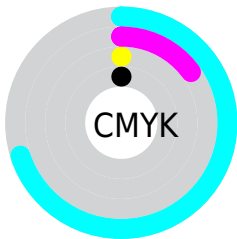
Distribution



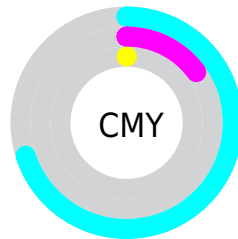
- Red (30%)
- Green (85%)
- Blue (100%)



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



- Cyan (70%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)




- Cyan (70%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.3822, 0.2207, 0.2811 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 58.3822, 0.2207, 0.2811 by changing the saturation by 10% instead.


 58.3822, 0.2207,
0.2811


 58.3822, 0.2207,
0.2811

418.6086, 0.2630,
0.3051


 42.1160, 0.2112,
0.2753


 102.4792, 0.2352,
0.2897


 29.1921, 0.1997,
0.2679


 131.0788, 0.2409,
0.2930

 19.2262, 0.1854,
0.2583


 164.5583, 0.2459,
0.2958

 11.8338, 0.1672,
0.2454

 203.3022, 0.2502,
0.2982

 6.6306, 0.1437,
0.2275

247.6947, 0.2540,
0.3002

 3.2322, 0.1127,
0.2013

298.1204, 0.2573,

 1.2541, 0.0676,

0.3021

0.1621

354.9635, 0.2603,
0.3037

0.1053, 0.0000,
0.0368

0.0000, 0.0000,
0.0000

58.3822, 0.2207,
0.2811

58.3822, 0.2207,
0.2811

54.7967, 0.2136,
0.2732

62.4747, 0.2298,
0.2889

51.6617, 0.2084,
0.2654

67.1154, 0.2408,
0.2966

48.9545, 0.2050,
0.2578

72.3443, 0.2532,
0.3039

78.1965, 0.2670,
0.3109

■ 84.7038, 0.2816,
0.3174

■ 91.8959, 0.2968,
0.3234

99.8003, 0.3123,
0.3289

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.



58.3822, 0.2340, 0.3253



58.3822, 0.2207, 0.2811



58.3822, 0.2292, 0.2548

Triad

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



58.3822, 0.2207, 0.2811



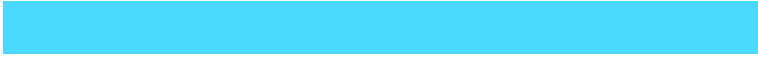
58.3822, 0.3554, 0.2872



58.3822, 0.3642, 0.4202

Complementary

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



58.3822, 0.2207, 0.2811



33.7863, 0.5214, 0.3629

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.



58.3822, 0.4012, 0.3999



58.3822, 0.2207, 0.2811



58.3822, 0.3974, 0.3240

Square

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



58.3822, 0.2207, 0.2811



58.3822, 0.3036, 0.2604



58.3822, 0.4143, 0.3642



58.3822, 0.3151, 0.4129

Rectangle

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



58.3822, 0.2207, 0.2811



58.3822, 0.2464, 0.2484



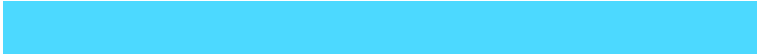
58.3822, 0.4143, 0.3642



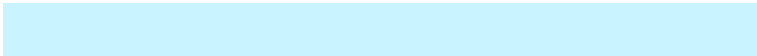
58.3822, 0.3785, 0.4159

Sweetspot

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



58.3834, 0.2207, 0.2811



84.1864, 0.2805, 0.3169



74.2151, 0.2907, 0.5182



17.6234, 0.2764, 0.3152



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.



58.3834, 0.2207, 0.2811



53.5685, 0.2114, 0.2703



24.6160, 0.1912, 0.1626



19.7889, 0.2980, 0.3238



25.8054, 0.2053, 0.2591



2.6682, 0.2078, 0.2680

Inverse Universe

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



31.4234, 0.3600, 0.2008



27.4638, 0.3716, 0.1904



63.6774, 0.4442, 0.4455



18.2305, 0.3171, 0.3105



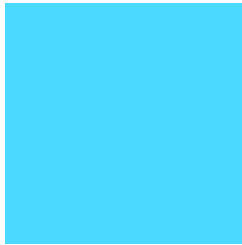
13.3330, 0.3833, 0.1885



1.3139, 0.3747, 0.1838

Previews

White Background



This preview shows how the Yxy color 58.3822, 0.2207, 0.2811 looks on a white background.

Color Contrast Check

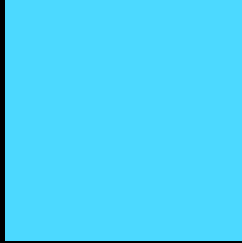
Large Text (above 18pt) WCAG AA × Fail

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 58.3822, 0.2207, 0.2811 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 58.3822, 0.2207, 0.2811

Background



This preview shows how black text looks on a background with the Yxy color 58.3822, 0.2207, 0.2811.

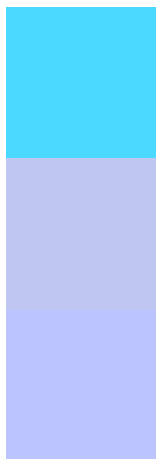


This preview shows how white text looks on a background with the Yxy color 58.3822, 0.2207, 0.2811.

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

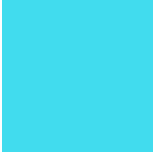
58.3822, 0.2207, 0.2811

Protanopia

57.6862, 0.2777, 0.2796

Deuteranopia

57.3912, 0.2678, 0.2626



Tritanopia

58.4833, 0.2255, 0.3053

Trichromacy



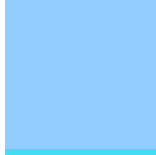
Original Color

58.3822, 0.2207, 0.2811



Protanomaly

56.7060, 0.2505, 0.2793



Deuteranomaly

56.6088, 0.2448, 0.2682



Tritanomaly

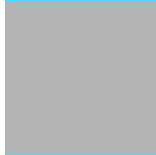
58.4599, 0.2238, 0.2966

Monochromacy



Original Color

58.3822, 0.2207, 0.2811



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

48.3957, 0.2658, 0.3101

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.3822, 0.2207, 0.2811 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(76, 217, 255)` looks like.

```
.text, #text, p{  
    color:rgb(76, 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(76, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 217, 255) }
```

Border

The CSS property to change the border of an element to Yxy 58.3822, 0.2207, 0.2811 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(76, 217, 255) }
```

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

```
.border{ border-color:rgb(76, 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(76, 217, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 217, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 217, 255);  
box-shadow:4px 4px 4px 4px rgb(76, 217,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 58.3822, 0.2207, 0.2811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 217, 255) }
```

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

```
.background{ background-color: rgb(76, 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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