

Converting Colors

$Y_{xy}(58.3706, 0.2164, 0.2825)$

Have a look what the booklet for
Yxy(58.3706, 0.2164, 0.2825)
contains.

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Color

Yxy(58.1197, 0.2163, 0.2819)

Conversions

Conversions Part 1

Format	Color
Hex	35DAFF
RGB	53, 218, 255
RGB Percent	21%, 85%, 100%
CMY	0.7913, 0.1451, 0.0001
CMYK	0.79, 0.15, 0.00, 0.00
HSL	191°, 100%, 60%
HSV	191°, 79%, 100%
XYZ	44.5949, 58.1197, 103.4568
YIQ	172.8830, -110.2170, -23.4730

Conversions

Conversions Part 2

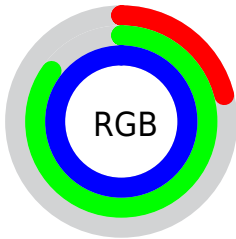
Format	Color
R _Y B	53, 144, 255
Decimal	3529471
CIE Lab	80.81, -28.74, -29.72
CIE LCh	81, 41.339, 225.956
Yxy	58.1197, 0.2163, 0.2819
Android (android.graphics.Color)	4281719551 (0xFF35DAFF)
YUV	172.8830, 40.4837, -105.1374
Hunter-Lab	76.2363, -28.9989, -27.0944

Details

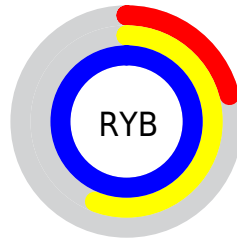
The Yxy color **58.1197, 0.2163, 0.2819** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **28.8629, 0.5625, 0.3564**, and the grayscale version is **41.5916, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6455, 0.2489, 0.3288**, and **30.2716, 0.2087, 0.2712** is the 20% darker color. If you saturate the color by 10%, you get **55.2117, 0.2113, 0.2752**, and if you desaturate by 10%, it is **61.4677, 0.2233, 0.2886**.

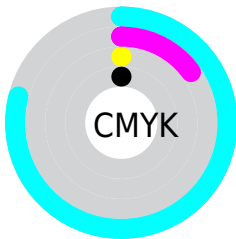
Distribution



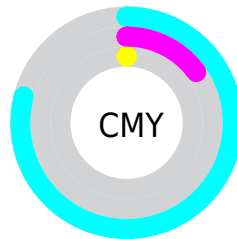
- Red (21%)
- Green (85%)
- Blue (100%)



- Red (21%)
- Yellow (56%)
- Blue (100%)



- Cyan (79%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)





- Cyan (79%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.1197, 0.2163, 0.2819 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 58.1197, 0.2163, 0.2819 by changing the saturation by 10% instead.


 58.1197, 0.2163,
0.2819

 58.1197, 0.2163,
0.2819


417.6318, 0.2605,
0.3057


 41.9049, 0.2064,
0.2761

 102.0971, 0.2315,
0.2905


 29.0268, 0.1944,
0.2686


 130.6286, 0.2374,
0.2938

 19.1011, 0.1796,
0.2590


 164.0343, 0.2426,
0.2965

 11.7434, 0.1608,
0.2460

 202.6988, 0.2471,
0.2989

 6.5692, 0.1366,
0.2279

247.0064, 0.2511,
0.3009

 3.1942, 0.1050,
0.2013

297.3415, 0.2546,

 1.2339, 0.0571,

0.3027

0.1618

354.0885, 0.2577,
0.3043

■ 0.0892, 0.0000,
0.0314

■ 0.0000, 0.0000,
0.0000

■ 58.1197, 0.2163,
0.2819

■ 58.1197, 0.2163,
0.2819

■ 55.2117, 0.2113,
0.2752

■ 61.4677, 0.2233,
0.2886

■ 52.6607, 0.2080,
0.2686

■ 65.3010, 0.2322,
0.2953

■ 52.4465, 0.2078,
0.2680

■ 69.6652, 0.2429,
0.3018

■ 74.5985, 0.2552,
0.3081

■ 80.1352, 0.2688,
0.3140

■ 86.3066, 0.2834,
0.3196

■ 93.1417, 0.2986,
0.3247

■ 99.9987, 0.3127,
0.3290

Harmonies

Analogous

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



58.1197, 0.2323, 0.3300



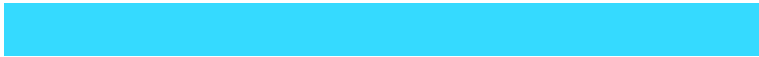
58.1197, 0.2163, 0.2819



58.1197, 0.2231, 0.2525

Triad

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



58.1197, 0.2163, 0.2819



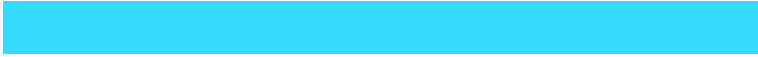
58.1197, 0.3527, 0.2818



58.1197, 0.3713, 0.4244

Complementary

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



58.1197, 0.2163, 0.2819



28.8629, 0.5625, 0.3564

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.



58.1197, 0.4086, 0.4003



58.1197, 0.2163, 0.2819



58.1197, 0.3990, 0.3195

Square

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



58.1197, 0.2163, 0.2819



58.1197, 0.2979, 0.2550



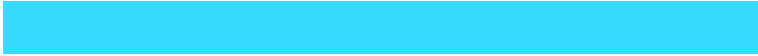
58.1197, 0.4197, 0.3616



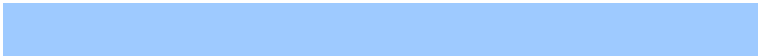
58.1197, 0.3201, 0.4203

Rectangle

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



58.1197, 0.2163, 0.2819



58.1197, 0.2397, 0.2446



58.1197, 0.4197, 0.3616



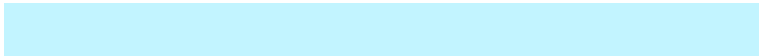
58.1197, 0.3859, 0.4188

Sweetspot

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



58.1218, 0.2163, 0.2819



83.2326, 0.2762, 0.3169



72.9553, 0.2930, 0.5489



17.3527, 0.2710, 0.3149



0.0000, 0.0000, 0.0000



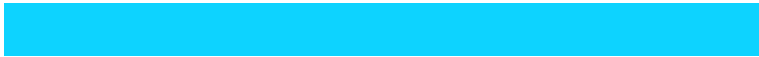
21.4041, 0.3127, 0.3290

Same Dimension

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



58.1218, 0.2163, 0.2819



53.6898, 0.2092, 0.2713



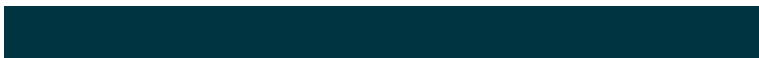
21.5296, 0.1811, 0.1483



19.8818, 0.2980, 0.3245



27.6138, 0.2081, 0.2691



2.8290, 0.2102, 0.2767

Inverse Universe

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



28.8845, 0.3605, 0.1887



26.2242, 0.3714, 0.1835



57.3654, 0.4655, 0.4465



18.2399, 0.3166, 0.3098



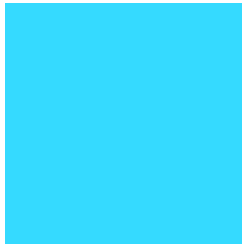
13.5156, 0.3736, 0.1832



1.3301, 0.3665, 0.1793

Previews

White Background



This preview shows how the Yxy color 58.1197, 0.2163, 0.2819 looks on a white background.

Color Contrast Check

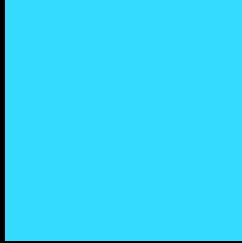
Large Text (above 18pt) WCAG AA × Fail

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 58.1197, 0.2163, 0.2819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

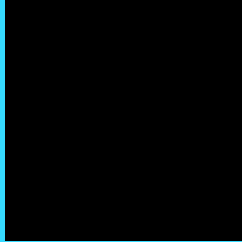
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.1197, 0.2163, 0.2819

Background



This preview shows how black text looks on a background with the Yxy color 58.1197, 0.2163, 0.2819.

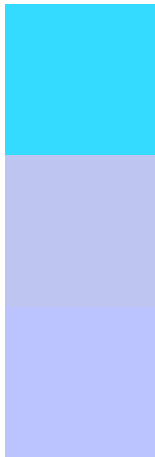


This preview shows how white text looks on a background with the Yxy color 58.1197, 0.2163, 0.2819.

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

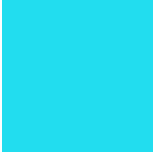
58.1197, 0.2163, 0.2819

Protanopia

57.0426, 0.2776, 0.2794

Deuteranopia

57.2647, 0.2672, 0.2625



Tritanopia

58.2850, 0.2203, 0.3050

Trichromacy



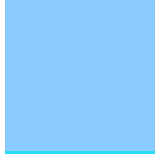
Original Color

58.1197, 0.2163, 0.2819



Protanomaly

55.8307, 0.2462, 0.2798



Deuteranomaly

55.8090, 0.2402, 0.2674



Tritanomaly

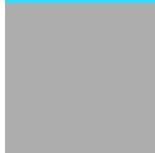
58.2504, 0.2187, 0.2963

Monochromacy



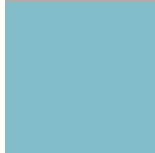
Original Color

58.1197, 0.2163, 0.2819



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

45.3741, 0.2593, 0.3094

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.1197, 0.2163, 0.2819 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(53, 218, 255)` looks like.

```
.text, #text, p{  
    color:rgb(53, 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(53, 218, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 218, 255) }
```

Border

The CSS property to change the border of an element to Yxy 58.1197, 0.2163, 0.2819 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(53, 218, 255) }
```

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

```
.border{ border-color:rgb(53, 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(53, 218, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 218, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 218, 255);  
box-shadow:4px 4px 4px 4px rgb(53, 218,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 58.1197, 0.2163, 0.2819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 218, 255) }
```

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

```
.background{ background-color: rgb(53, 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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