

Converting Colors

$Y_{xy}(59.6636, 0.2172, 0.2902)$

Have a look what the booklet for
Yxy(59.6636, 0.2172, 0.2902)
contains.

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Color

Yxy(59.8063, 0.2173, 0.2906)

Conversions

Conversions Part 1

Format	Color
Hex	2CDEFC
RGB	44, 222, 252
RGB Percent	17%, 87%, 99%
CMY	0.8284, 0.1294, 0.0118
CMYK	0.83, 0.12, 0.00, 0.01
HSL	189°, 97%, 58%
HSV	189°, 83%, 99%
XYZ	44.7210, 59.8063, 101.2756
YIQ	172.1980, -115.7180, -28.4060

Conversions

Conversions Part 2

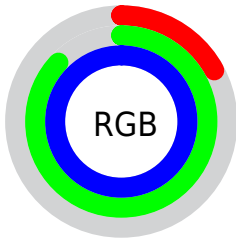
Format	Color
R_{YB}	44, 140, 252
Decimal	2940668
CIE _{Lab}	81.73, -32.37, -26.72
CIE _{LCh}	82, 41.977, 219.542
Yxy	59.8063, 0.2173, 0.2906
Android (android.graphics.Color)	4281130748 (0xFF2CDEFC)
YUV	172.1980, 39.3424, -112.4296
Hunter-Lab	77.3345, -32.1126, -23.5107

Details

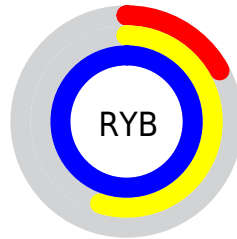
The Yxy color **59.8063, 0.2173, 0.2906** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **25.7352, 0.5828, 0.3486**, and the grayscale version is **41.1652, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2520, 0.2471, 0.3288**, and **31.2126, 0.2114, 0.2809** is the 20% darker color. If you saturate the color by 10%, you get **57.5060, 0.2135, 0.2855**, and if you desaturate by 10%, it is **62.4898, 0.2230, 0.2958**.

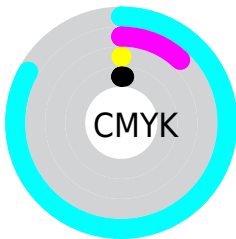
Distribution



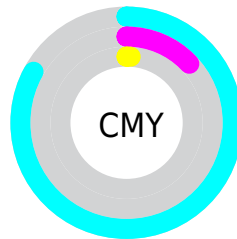
- Red (17%)
- Green (87%)
- Blue (99%)



- Red (17%)
- Yellow (55%)
- Blue (99%)



- Cyan (83%)
- Magenta (12%)
- Yellow (0%)
- Black (1%)




- Cyan (83%)
- Magenta (13%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.8063, 0.2173, 0.2906 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 59.8063, 0.2173, 0.2906 by changing the saturation by 10% instead.


 59.8063, 0.2173,
0.2906


 59.8063, 0.2173,
0.2906


423.8834, 0.2610,
0.3103

 43.2625, 0.2076,
0.2857


 104.5486, 0.2323,
0.2978

 30.0912, 0.1958,
0.2794


 133.5160, 0.2381,
0.3005

 19.9078, 0.1811,
0.2711

 167.3933, 0.2432,
0.3028

 12.3280, 0.1626,
0.2599

 206.5650, 0.2477,
0.3047

 6.9675, 0.1387,
0.2439

251.4155, 0.2516,
0.3064

 3.4418, 0.1074,
0.2200

302.3291, 0.2551,

 1.3665, 0.0597,

0.3079

0.1835

359.6903, 0.2582,
0.3092

■ 0.1918, 0.0000,
0.0697

■ 0.0000, 0.0000,
0.0000

■ 59.8063, 0.2173,
0.2906

■ 59.8063, 0.2173,
0.2906

■ 57.5060, 0.2135,
0.2855

■ 62.4898, 0.2230,
0.2958

■ 55.9950, 0.2116,
0.2818

■ 65.6037, 0.2307,
0.3009

■ 69.1944, 0.2403,
0.3060

■ 73.3004, 0.2516,
0.3110

■ 77.9559, 0.2644,
0.3157

■ 83.1920, 0.2784,
0.3201

■ 89.0374, 0.2932,
0.3243

■ 95.5188, 0.3086,
0.3281

■ 99.5934, 0.3145,
0.3315

Harmonies

Analogous

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



59.8063, 0.2382, 0.3417



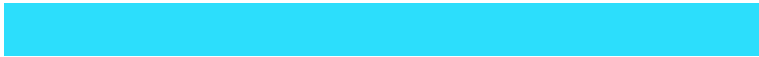
59.8063, 0.2173, 0.2906



59.8063, 0.2193, 0.2566

Triad

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



59.8063, 0.2173, 0.2906



59.8063, 0.3412, 0.2746



59.8063, 0.3813, 0.4217

Complementary

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



59.8063, 0.2173, 0.2906



25.7352, 0.5828, 0.3486

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.



59.8063, 0.4141, 0.3931



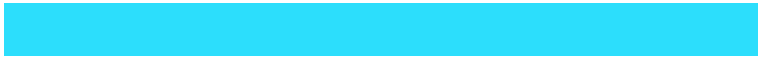
59.8063, 0.2173, 0.2906



59.8063, 0.3912, 0.3107

Square

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



59.8063, 0.2173, 0.2906



59.8063, 0.2867, 0.2508



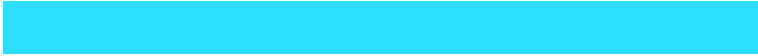
59.8063, 0.4186, 0.3527



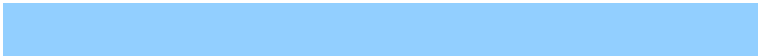
59.8063, 0.3316, 0.4246

Rectangle

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



59.8063, 0.2173, 0.2906



59.8063, 0.2330, 0.2457



59.8063, 0.4186, 0.3527



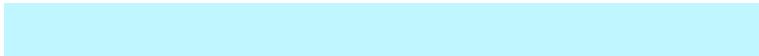
59.8063, 0.3947, 0.4143

Sweetspot

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



59.8085, 0.2173, 0.2906



84.1326, 0.2750, 0.3191



70.6081, 0.2952, 0.5634



17.5991, 0.2700, 0.3175



0.0000, 0.0000, 0.0000



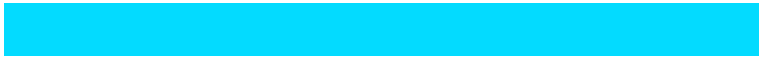
21.4041, 0.3127, 0.3290

Same Dimension

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



59.8085, 0.2173, 0.2906



57.7215, 0.2118, 0.2822



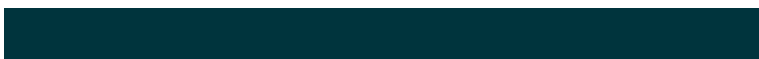
21.0158, 0.1794, 0.1489



19.1575, 0.2980, 0.3255



29.3385, 0.2118, 0.2826



2.8300, 0.2135, 0.2887

Inverse Universe

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



27.7516, 0.3530, 0.1807



26.4119, 0.3614, 0.1767



51.7825, 0.4781, 0.4417



17.4791, 0.3160, 0.3089



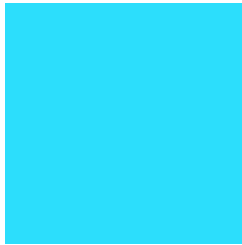
13.3726, 0.3610, 0.1763



1.2499, 0.3555, 0.1732

Previews

White Background



This preview shows how the Yxy color 59.8063, 0.2173, 0.2906 looks on a white background.

Color Contrast Check

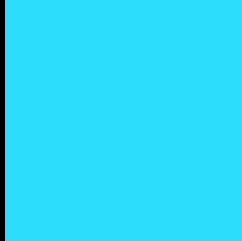
Large Text (above 18pt) WCAG AA × Fail

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 59.8063, 0.2173, 0.2906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

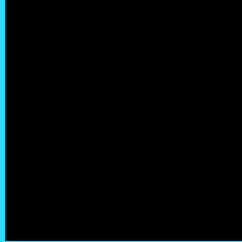
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.8063, 0.2173, 0.2906

Background



This preview shows how black text looks on a background with the Yxy color 59.8063, 0.2173, 0.2906.



This preview shows how white text looks on a background with the Yxy color 59.8063, 0.2173, 0.2906.

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

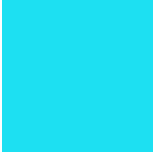
59.8063, 0.2173, 0.2906

Protanopia

58.8923, 0.2832, 0.2866

Deuteranopia

58.8146, 0.2707, 0.2654



Tritanopia

59.9833, 0.2198, 0.3053

Trichromacy



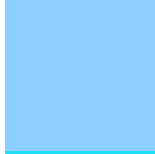
Original Color

59.8063, 0.2173, 0.2906



Protanomaly

57.0115, 0.2478, 0.2870



Deuteranomaly

57.1847, 0.2413, 0.2723



Tritanomaly

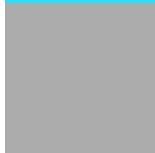
59.7693, 0.2185, 0.2990

Monochromacy



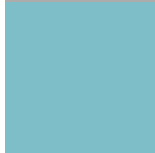
Original Color

59.8063, 0.2173, 0.2906



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

45.4039, 0.2583, 0.3134

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.8063, 0.2173, 0.2906 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(44, 222, 252)` looks like.

```
.text, #text, p{  
    color:rgb(44, 222, 252)  
}
```

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(44, 222, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 222, 252) }
```

Border

The CSS property to change the border of an element to Yxy 59.8063, 0.2173, 0.2906 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(44, 222, 252) }
```

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

```
.border{ border-color:rgb(44, 222, 252) }
```

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

Here you see how a box with a 4 pixel rgb(44, 222, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 222, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 222, 252);  
box-shadow:4px 4px 4px 4px rgb(44, 222,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 59.8063, 0.2173, 0.2906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 222, 252) }
```

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

```
.background{ background-color: rgb(44, 222,  
252) }
```

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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