

Converting Colors

$Y_{xy}(59.2942, 0.2214, 0.2834)$

Have a look what the booklet for
Yxy(59.2942, 0.2214, 0.2834)
contains.

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Color

Yxy(59.4195, 0.2214, 0.2837)

Conversions

Conversions Part 1

Format	Color
Hex	4CDBFF
RGB	76, 219, 255
RGB Percent	30%, 86%, 100%
CMY	0.7015, 0.1412, 0.0000
CMYK	0.70, 0.14, 0.00, 0.00
HSL	192°, 100%, 65%
HSV	192°, 70%, 100%
XYZ	46.3711, 59.4195, 103.6542
YIQ	180.3470, -96.7840, -19.1200

Conversions

Conversions Part 2

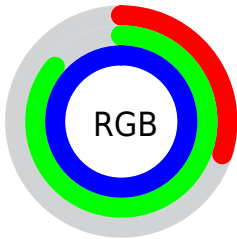
Format	Color
RYB	76, 155, 255
Decimal	5037055
CIELab	81.52, -26.74, -28.61
CIELCh	82, 39.154, 226.935
Yxy	59.4195, 0.2214, 0.2837
Android (android.graphics.Color)	4283227135 (0xFF4CDBFF)
YUV	180.3470, 36.8039, -91.5123
Hunter-Lab	77.0840, -27.5177, -25.7679

Details

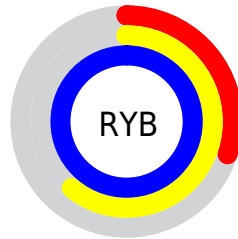
The Yxy color **59.4195, 0.2214, 0.2837** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **33.3978, 0.5227, 0.3610**, and the grayscale version is **45.6911, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7597, 0.2541, 0.3288**, and **30.6281, 0.2092, 0.2730** is the 20% darker color. If you saturate the color by 10%, you get **55.9357, 0.2144, 0.2763**, and if you desaturate by 10%, it is **63.4005, 0.2304, 0.2911**.

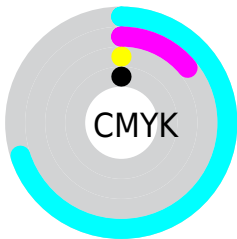
Distribution



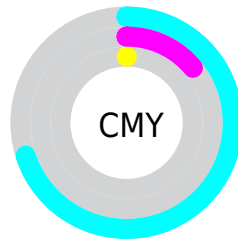
- Red (30%)
- Green (86%)
- Blue (100%)



- 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 59.4195, 0.2214, 0.2837 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 59.4195, 0.2214, 0.2837 by changing the saturation by 10% instead.

 59.4195, 0.2214,
0.2837


 59.4195, 0.2214,
0.2837

422.4547, 0.2633,
0.3064

 42.9509, 0.2121,
0.2781


 103.9871, 0.2358,
0.2919


 29.8466, 0.2007,
0.2711


 132.8549, 0.2414,
0.2950

 19.7222, 0.1865,
0.2620


 166.6246, 0.2463,
0.2976

 12.1933, 0.1686,
0.2498

 205.6805, 0.2506,
0.2999

 6.8754, 0.1453,
0.2326

250.4071, 0.2543,
0.3018

 3.3843, 0.1147,
0.2075

301.1888, 0.2577,

 1.3355, 0.0710,

0.3036

0.1694

358.4098, 0.2606,
0.3051

■ 0.1685, 0.0000,
0.0573

■ 0.0000, 0.0000,
0.0000

■ 59.4195, 0.2214,
0.2837

■ 59.4195, 0.2214,
0.2837

■ 55.9357, 0.2144,
0.2763

■ 63.4005, 0.2304,
0.2911

■ 52.8949, 0.2094,
0.2689

■ 67.9218, 0.2412,
0.2984

■ 50.2500, 0.2060,
0.2617

■ 73.0227, 0.2536,
0.3053

■ 78.7379, 0.2672,
0.3119

■ 85.0993, 0.2818,
0.3181

■ 92.1362, 0.2970,
0.3237

99.8762, 0.3125,
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.



59.4195, 0.2360, 0.3285



59.4195, 0.2214, 0.2837



59.4195, 0.2285, 0.2563

Triad

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



59.4195, 0.2214, 0.2837



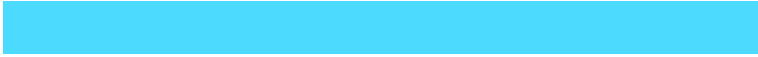
59.4195, 0.3521, 0.2854



59.4195, 0.3667, 0.4190

Complementary

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



59.4195, 0.2214, 0.2837



33.3978, 0.5227, 0.3610

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.



59.4195, 0.4023, 0.3976



59.4195, 0.2214, 0.2837



59.4195, 0.3948, 0.3216

Square

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



59.4195, 0.2214, 0.2837



59.4195, 0.3005, 0.2595



59.4195, 0.4135, 0.3615



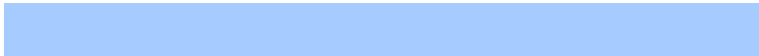
59.4195, 0.3183, 0.4137

Rectangle

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



59.4195, 0.2214, 0.2837



59.4195, 0.2448, 0.2491



59.4195, 0.4135, 0.3615



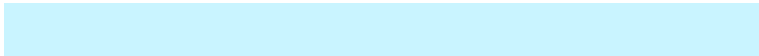
59.4195, 0.3807, 0.4143

Sweetspot

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



59.4199, 0.2214, 0.2837



84.5345, 0.2805, 0.3176



74.2284, 0.2907, 0.5179



17.7071, 0.2764, 0.3159



0.0000, 0.0000, 0.0000



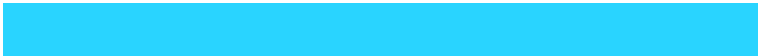
21.4041, 0.3127, 0.3290

Same Dimension

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



59.4199, 0.2214, 0.2837



54.7166, 0.2122, 0.2734



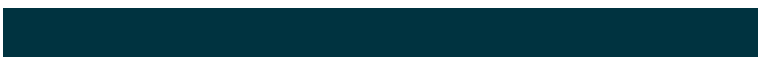
24.6671, 0.1914, 0.1628



19.8237, 0.2980, 0.3241



26.4747, 0.2064, 0.2629



2.7278, 0.2087, 0.2713

Inverse Universe

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



31.5582, 0.3577, 0.1994



27.5797, 0.3687, 0.1887



63.7121, 0.4440, 0.4454



18.2340, 0.3169, 0.3102



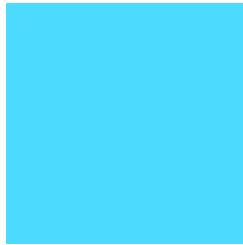
13.4006, 0.3796, 0.1865



1.3199, 0.3716, 0.1821

Previews

White Background



This preview shows how the Yxy color 59.4195, 0.2214, 0.2837 looks on a white background.

Color Contrast Check

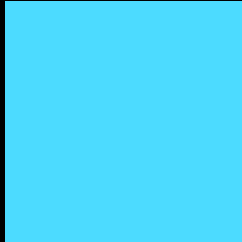
Large Text (above 18pt) WCAG AA × Fail

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 59.4195, 0.2214, 0.2837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

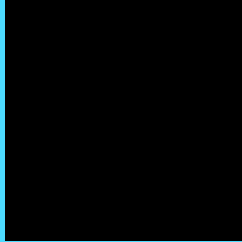
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.4195, 0.2214, 0.2837

Background



This preview shows how black text looks on a background with the Yxy color 59.4195, 0.2214, 0.2837.

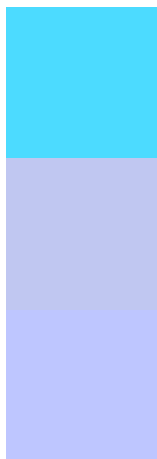


This preview shows how white text looks on a background with the Yxy color 59.4195, 0.2214, 0.2837.

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

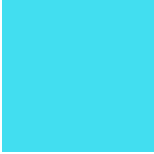
59.4195, 0.2214, 0.2837

Protanopia

58.4042, 0.2792, 0.2810

Deuteranopia

58.5553, 0.2694, 0.2652



Tritanopia

59.6921, 0.2256, 0.3054

Trichromacy



Original Color

59.4195, 0.2214, 0.2837



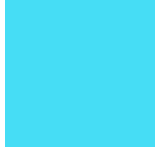
Protanomaly

57.2805, 0.2513, 0.2806



Deuteranomaly

57.7522, 0.2463, 0.2708



Tritanomaly

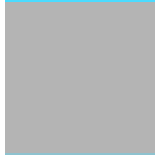
59.6076, 0.2243, 0.2980

Monochromacy



Original Color

59.4195, 0.2214, 0.2837



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

48.8394, 0.2660, 0.3115

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.4195, 0.2214, 0.2837 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, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(76, 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(76, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 219, 255) }
```

Border

The CSS property to change the border of an element to Yxy 59.4195, 0.2214, 0.2837 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, 219, 255) }
```

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

```
.border{ border-color:rgb(76, 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(76, 219, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 219, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 219, 255);  
box-shadow:4px 4px 4px 4px rgb(76, 219,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 59.4195, 0.2214, 0.2837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 219, 255) }
```

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

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