

Converting Colors

$Y_{xy}(58.4645, 0.2126, 0.2841)$

Have a look what the booklet for
Yxy(58.4645, 0.2126, 0.2841)
contains.

Yxy(58.4645, 0.2126, 0.2841)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(58.4645, 0.2126, 0.2841)

Conversions

Conversions Part 1

Format	Color
Hex	09DCFF
RGB	9, 220, 255
RGB Percent	4%, 86%, 100%
CMY	0.9658, 0.1372, 0.0001
CMYK	0.97, 0.14, 0.00, 0.00
HSL	189°, 100%, 52%
HSV	189°, 97%, 100%
XYZ	43.7506, 58.4645, 103.5733
YIQ	160.9010, -136.9910, -33.8470

Conversions

Conversions Part 2

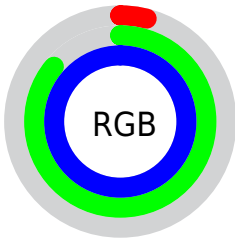
Format	Color
R _Y B	9, 123, 255
Decimal	646399
CIE Lab	81.00, -32.03, -29.46
CIE LCh	81, 43.518, 222.606
Yxy	58.4645, 0.2126, 0.2841
Android (android.graphics.Color)	4278836479 (0xFF09DCFF)
YUV	160.9010, 46.3908, -133.2172
Hunter-Lab	76.4621, -31.6732, -26.7891

Details

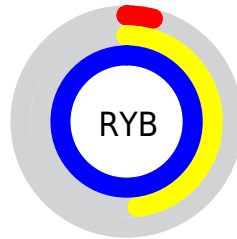
The Yxy color **58.4645, 0.2126, 0.2841** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **23.0560, 0.6229, 0.3405**, and the grayscale version is **35.3829, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5916, 0.2440, 0.3288**, and **30.9875, 0.2097, 0.2747** is the 20% darker color. If you saturate the color by 10%, you get **57.7617, 0.2118, 0.2824**, and if you desaturate by 10%, it is **60.6761, 0.2157, 0.2891**.

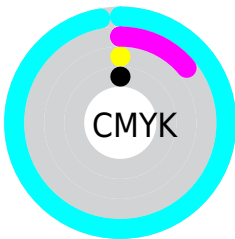
Distribution



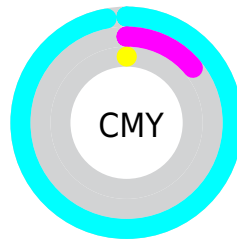
- Red (4%)
- Green (86%)
- Blue (100%)



- Red (4%)
- Yellow (48%)
- Blue (100%)



- Cyan (97%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)




- Cyan (97%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.4645, 0.2126, 0.2841 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 58.4645, 0.2126, 0.2841 by changing the saturation by 10% instead.


 58.4645, 0.2126,
0.2841

 58.4645, 0.2126,
0.2841


 418.9145, 0.2584,
0.3070


 42.1822, 0.2024,
0.2784


 102.5990, 0.2283,
0.2924

 29.2440, 0.1901,
0.2712


 131.2199, 0.2344,
0.2956


 19.2655, 0.1748,
0.2618


 164.7225, 0.2398,
0.2982

 11.8623, 0.1556,
0.2490

 203.4912, 0.2444,
0.3005

 6.6500, 0.1310,
0.2311

 247.9104, 0.2486,
0.3025

 3.2442, 0.0993,
0.2046

 298.3644, 0.2522,

 1.2605, 0.0493,

0.3042

0.1656

355.2376, 0.2555,
0.3057

■ 0.1103, 0.0000,
0.0384

■ 0.0000, 0.0000,
0.0000

■ 58.4645, 0.2126,
0.2841

■ 58.4645, 0.2126,
0.2841

■ 57.7617, 0.2118,
0.2824

■ 60.6761, 0.2157,
0.2891

■ 63.2476, 0.2206,
0.2942

■ 66.2423, 0.2275,
0.2993

■ 69.7090, 0.2363,
0.3044

73.6894, 0.2470,
0.3093

78.2203, 0.2592,
0.3140

83.3349, 0.2728,
0.3185

89.0636, 0.2873,
0.3228

95.4346, 0.3025,
0.3266

Harmonies

Analogous

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



58.4645, 0.2317, 0.3362



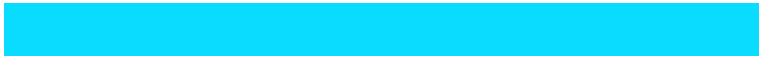
58.4645, 0.2126, 0.2841



58.4645, 0.2171, 0.2511

Triad

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



58.4645, 0.2126, 0.2841



58.4645, 0.3483, 0.2758



58.4645, 0.3792, 0.4275

Complementary

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



58.4645, 0.2126, 0.2841



23.0560, 0.6229, 0.3405

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.



58.4645, 0.4161, 0.3993



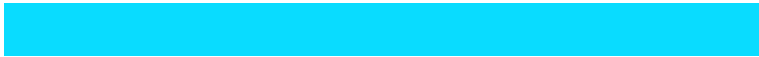
58.4645, 0.2126, 0.2841



58.4645, 0.3990, 0.3141

Square

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



58.4645, 0.2126, 0.2841



58.4645, 0.2909, 0.2495



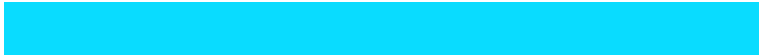
58.4645, 0.4244, 0.3578



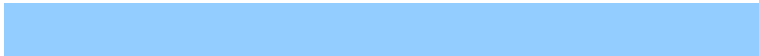
58.4645, 0.3264, 0.4276

Rectangle

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



58.4645, 0.2126, 0.2841



58.4645, 0.2328, 0.2414



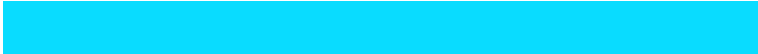
58.4645, 0.4244, 0.3578



58.4645, 0.3940, 0.4205

Sweetspot

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



58.4666, 0.2126, 0.2841



82.0504, 0.2694, 0.3175



71.7312, 0.2971, 0.5875



17.0928, 0.2636, 0.3156



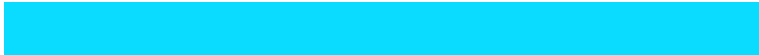
0.0000, 0.0000, 0.0000



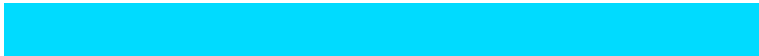
21.4041, 0.3127, 0.3290

Same Dimension

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



58.4666, 0.2126, 0.2841



57.7691, 0.2118, 0.2824



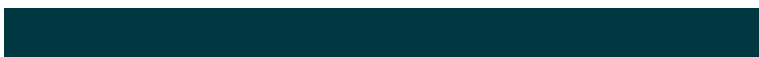
16.2036, 0.1671, 0.1197



20.0156, 0.2980, 0.3255



30.3544, 0.2120, 0.2832



3.0708, 0.2136, 0.2890

Inverse Universe

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



26.6146, 0.3596, 0.1764



26.3630, 0.3613, 0.1764



48.0757, 0.4998, 0.4394



18.2534, 0.3160, 0.3088



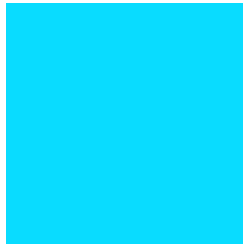
13.7923, 0.3605, 0.1760



1.3545, 0.3553, 0.1731

Previews

White Background



This preview shows how the Yxy color 58.4645, 0.2126, 0.2841 looks on a white background.

Color Contrast Check

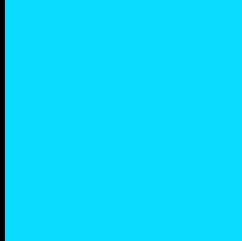
Large Text (above 18pt) WCAG AA × Fail

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 58.4645, 0.2126, 0.2841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

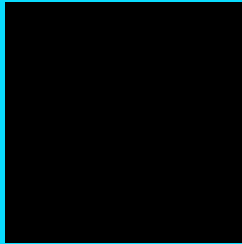
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.4645, 0.2126, 0.2841

Background



This preview shows how black text looks on a background with the Yxy color 58.4645, 0.2126, 0.2841.

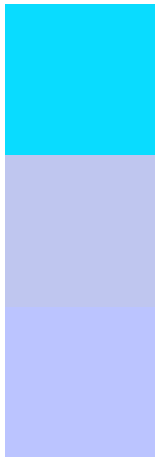


This preview shows how white text looks on a background with the Yxy color 58.4645, 0.2126, 0.2841.

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

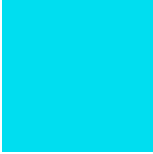
58.4645, 0.2126, 0.2841

Protanopia

57.6965, 0.2797, 0.2818

Deuteranopia

57.2647, 0.2672, 0.2625



Tritanopia

58.5338, 0.2181, 0.3050

Trichromacy



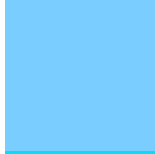
Original Color

58.4645, 0.2126, 0.2841



Protanomaly

55.0952, 0.2391, 0.2802



Deuteranomaly

55.0202, 0.2330, 0.2676



Tritanomaly

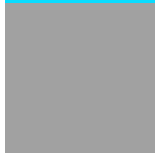
58.3248, 0.2161, 0.2974

Monochromacy



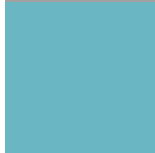
Original Color

58.4645, 0.2126, 0.2841



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

40.4602, 0.2488, 0.3095

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.4645, 0.2126, 0.2841 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(9, 220, 255)` looks like.

```
.text, #text, p{  
    color:rgb(9, 220, 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(9, 220, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 220, 255) }
```

Border

The CSS property to change the border of an element to Yxy 58.4645, 0.2126, 0.2841 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(9, 220, 255) }
```

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

```
.border{ border-color:rgb(9, 220, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 220, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 220, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 220, 255);  
box-shadow:4px 4px 4px 4px rgb(9, 220,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 58.4645, 0.2126, 0.2841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 220, 255) }
```

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

```
.background{ background-color: rgb(9, 220,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor