

Converting Colors

$Yxy(60.3011, 0.2091, 0.2935)$

Have a look what the booklet for
Yxy(60.3011, 0.2091, 0.2935)
contains.

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Color

Yxy(61.4846, 0.2151, 0.2944)

Conversions

Conversions Part 1

Format	Color
Hex	00E2FD
RGB	0, 226, 253
RGB Percent	0%, 89%, 99%
CMY	1.0000, 0.1137, 0.0078
CMYK	1.00, 0.11, 0.00, 0.01
HSL	186°, 100%, 50%
HSV	186°, 100%, 99%
XYZ	44.9230, 61.4846, 102.4395
YIQ	161.5040, -143.3630, -39.5150

Conversions

Conversions Part 2

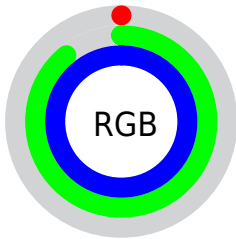
Format	Color
RYB	0, 119, 253
Decimal	58109
CIELab	82.64, -35.69, -25.91
CIELCh	83, 44.103, 215.976
Yxy	61.4846, 0.2151, 0.2944
Android (android.graphics.Color)	4278248189 (0xFF00E2FD)
YUV	161.5040, 45.1075, -141.6390
Hunter-Lab	78.4121, -34.9569, -22.5694

Details

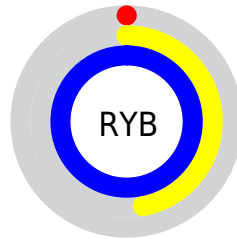
The Yxy color **61.4846, 0.2151, 0.2944** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light saturated cyan. A complement of this color would be **21.6696, 0.6332, 0.3354**, and the grayscale version is **35.7261, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5219, 0.2436, 0.3288**, and **32.7350, 0.2129, 0.2863** is the 20% darker color. If you saturate the color by 10%, you get **61.4896, 0.2151, 0.2944**, and if you desaturate by 10%, it is **63.1806, 0.2174, 0.2981**.

Distribution



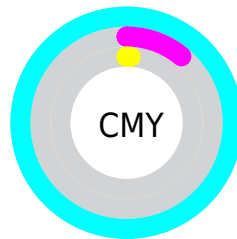
- Red (0%)
- Green (89%)
- Blue (99%)



- Red (0%)
- Yellow (47%)
- Blue (99%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (1%)





- Cyan (100%)
- Magenta (11%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.4846, 0.2151, 0.2944 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 61.4846, 0.2151, 0.2944 by changing the saturation by 10% instead.


 61.4846, 0.2151,
0.2944


 61.4846, 0.2151,
0.2944


430.0486, 0.2595,
0.3124


 44.6164, 0.2053,
0.2899


 106.9803, 0.2303,
0.3010

 31.1554, 0.1934,
0.2840


 136.3765, 0.2363,
0.3035


 20.7172, 0.1786,
0.2764


 170.7176, 0.2414,
0.3056

 12.9174, 0.1601,
0.2659

 210.3878, 0.2460,
0.3073

 7.3717, 0.1363,
0.2509

 255.7716, 0.2499,
0.3089

 3.6956, 0.1053,
0.2284

307.2535, 0.2535,

 1.5048, 0.0590,

0.3102

0.1936

365.2176, 0.2567,
0.3114

■ 0.2921, 0.0000,
0.0989

■ 0.0000, 0.0000,
0.0000

■ 61.4846, 0.2151,
0.2944

■ 61.4846, 0.2151,
0.2944

■ 61.4896, 0.2151,
0.2944

■ 63.1806, 0.2174,
0.2981

■ 65.1673, 0.2212,
0.3018

■ 67.5334, 0.2269,
0.3055

■ 70.3300, 0.2346,
0.3093

■ 73.5997, 0.2442,
0.3130

■ 77.3801, 0.2555,
0.3166

■ 81.7047, 0.2683,
0.3200

■ 86.6040, 0.2824,
0.3232

■ 92.1063, 0.2972,
0.3262

Harmonies

Analogous

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



61.4846, 0.2393, 0.3490



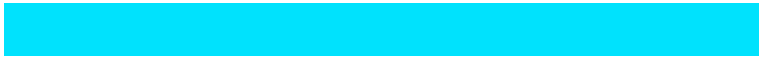
61.4846, 0.2151, 0.2944



61.4846, 0.2144, 0.2567

Triad

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



61.4846, 0.2151, 0.2944



61.4846, 0.3354, 0.2689



61.4846, 0.3890, 0.4228

Complementary

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



61.4846, 0.2151, 0.2944



21.6696, 0.6332, 0.3354

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.



61.4846, 0.4203, 0.3906



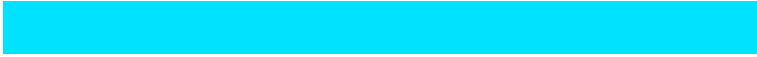
61.4846, 0.2151, 0.2944



61.4846, 0.3891, 0.3050

Square

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



61.4846, 0.2151, 0.2944



61.4846, 0.2793, 0.2461



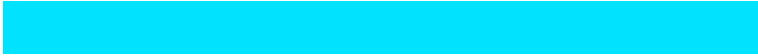
61.4846, 0.4212, 0.3480



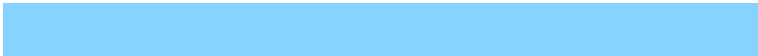
61.4846, 0.3386, 0.4303

Rectangle

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



61.4846, 0.2151, 0.2944



61.4846, 0.2267, 0.2438



61.4846, 0.4212, 0.3480



61.4846, 0.4022, 0.4141

Sweetspot

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



61.4896, 0.2151, 0.2944



83.1645, 0.2683, 0.3200



70.3313, 0.2985, 0.5946



17.3883, 0.2628, 0.3186



0.0000, 0.0000, 0.0000



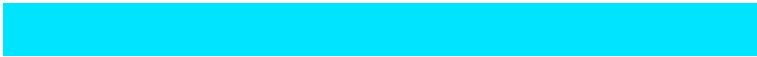
21.4041, 0.3127, 0.3290

Same Dimension

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



61.4896, 0.2151, 0.2944



62.5864, 0.2151, 0.2944



16.4402, 0.1675, 0.1229



20.1306, 0.2980, 0.3264



32.8364, 0.2153, 0.2950



3.2882, 0.2165, 0.2992

Inverse Universe

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



26.3768, 0.3504, 0.1704



26.8493, 0.3504, 0.1704



43.2798, 0.5139, 0.4301



18.2650, 0.3154, 0.3080



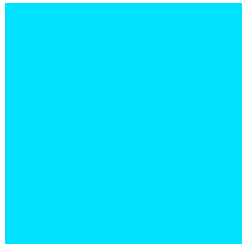
14.0428, 0.3498, 0.1701



1.3765, 0.3461, 0.1680

Previews

White Background



This preview shows how the Yxy color 61.4846, 0.2151, 0.2944 looks on a white background.

Color Contrast Check

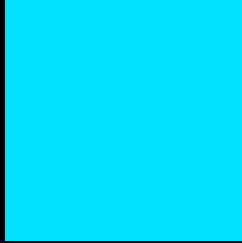
Large Text (above 18pt) WCAG AA × Fail

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 61.4846, 0.2151, 0.2944 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 61.4846, 0.2151, 0.2944

Background



This preview shows how black text looks on a background with the Yxy color 61.4846, 0.2151, 0.2944.

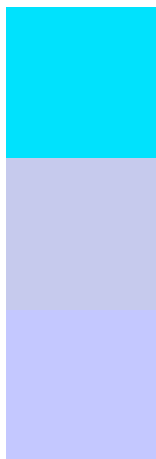


This preview shows how white text looks on a background with the Yxy color 61.4846, 0.2151, 0.2944.

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

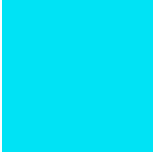
61.4846, 0.2151, 0.2944

Protanopia

60.3613, 0.2861, 0.2893

Deuteranopia

60.2643, 0.2735, 0.2682



Tritanopia

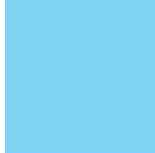
61.5307, 0.2182, 0.3055

Trichromacy



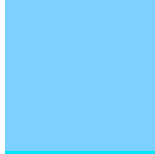
Original Color

61.4846, 0.2151, 0.2944



Protanomaly

57.4952, 0.2417, 0.2890



Deuteranomaly

57.1167, 0.2358, 0.2740



Tritanomaly

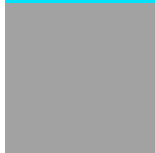
61.7155, 0.2172, 0.3018

Monochromacy



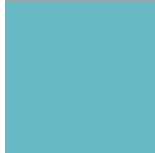
Original Color

61.4846, 0.2151, 0.2944



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

41.5216, 0.2480, 0.3140

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.4846, 0.2151, 0.2944 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(0, 226, 253)` looks like.

```
.text, #text, p{  
    color:rgb(0, 226, 253)  
}
```

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(0, 226, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 226, 253) }
```

Border

The CSS property to change the border of an element to Yxy 61.4846, 0.2151, 0.2944 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(0, 226, 253) }
```

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

```
.border{ border-color:rgb(0, 226, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 226, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 226, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 226, 253);  
box-shadow:4px 4px 4px 4px rgb(0, 226,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 61.4846, 0.2151, 0.2944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 226, 253) }
```

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

```
.background{ background-color: rgb(0, 226,  
253) }
```

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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