

Converting Colors

$Y_{xy}(65.6082, 0.2171, 0.3015)$

Have a look what the booklet for
Yxy(65.6082, 0.2171, 0.3015)
contains.

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Color

Yxy(65.4978, 0.2170, 0.3012)

Conversions

Conversions Part 1

Format	Color
Hex	00E9FF
RGB	0, 233, 255
RGB Percent	0%, 91%, 100%
CMY	1.0000, 0.0863, 0.0000
CMYK	1.00, 0.09, 0.00, 0.00
HSL	185°, 100%, 50%
HSV	185°, 100%, 100%
XYZ	47.1880, 65.4978, 104.7704
YIQ	165.8410, -145.9300, -42.5540

Conversions

Conversions Part 2

Format	Color
RYB	0, 122, 255
Decimal	59903
CIELab	84.74, -38.31, -23.76
CIELCh	85, 45.079, 211.809
Yxy	65.4978, 0.2170, 0.3012
Android (android.graphics.Color)	4278249983 (0xFF00E9FF)
YUV	165.8410, 43.9554, -145.4426
Hunter-Lab	80.9307, -37.5514, -20.1035

Details

The Yxy color **65.4978, 0.2170, 0.3012** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light saturated cyan. A complement of this color would be **21.8336, 0.6351, 0.3339**, and the grayscale version is **37.8904, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5916, 0.2440, 0.3288**, and **35.5215, 0.2153, 0.2951** is the 20% darker color. If you saturate the color by 10%, you get **65.5004, 0.2170, 0.3012**, and if you desaturate by 10%, it is **66.9667, 0.2190, 0.3041**.

Distribution



- Red (0%)
- Green (91%)
- Blue (100%)



- Red (0%)
- Yellow (48%)
- Blue (100%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)




- Cyan (100%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.4978, 0.2170, 0.3012 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 65.4978, 0.2170, 0.3012 by changing the saturation by 10% instead.


 65.4978, 0.2170,
0.3012


 65.4978, 0.2170,
0.3012


444.5787, 0.2602,
0.3159

 47.8648, 0.2075,
0.2975


 112.7652, 0.2317,
0.3066


 33.7199, 0.1961,
0.2927


 143.1685, 0.2375,
0.3086


 22.6785, 0.1819,
0.2863


 178.5973, 0.2425,
0.3103

 14.3563, 0.1642,
0.2776

 219.4361, 0.2469,
0.3118

 8.3689, 0.1414,
0.2651

 266.0693, 0.2508,
0.3130

 4.3319, 0.1118,
0.2461

318.8811, 0.2543,

 1.8609, 0.0713,

0.3141

378.2561, 0.2574,
0.3150

0.2156

■ 0.5247, 0.0000,
0.1546

■ 0.0000, 0.0000,
0.0000

■ 65.4978, 0.2170,
0.3012

■ 65.4978, 0.2170,
0.3012

■ 65.5004, 0.2170,
0.3012

■ 66.9667, 0.2190,
0.3041

■ 68.7262, 0.2226,
0.3071

■ 70.8639, 0.2281,
0.3101

■ 73.4317, 0.2355,
0.3131

■ 76.4733, 0.2448,
0.3161

■ 80.0267, 0.2559,
0.3190

■ 84.1261, 0.2685,
0.3217

■ 88.8026, 0.2824,
0.3243

■ 94.0850, 0.2972,
0.3268

Harmonies

Analogous

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



65.4978, 0.2444, 0.3571



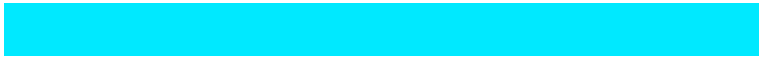
65.4978, 0.2170, 0.3012



65.4978, 0.2130, 0.2606

Triad

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



65.4978, 0.2170, 0.3012



65.4978, 0.3273, 0.2648



65.4978, 0.3949, 0.4196

Complementary

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



65.4978, 0.2170, 0.3012



21.8336, 0.6351, 0.3339

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.



65.4978, 0.4226, 0.3851



65.4978, 0.2170, 0.3012



65.4978, 0.3826, 0.2994

Square

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



65.4978, 0.2170, 0.3012



65.4978, 0.2723, 0.2442



65.4978, 0.4187, 0.3419



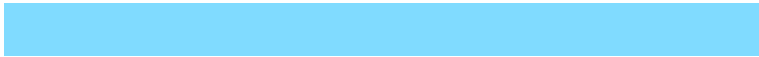
65.4978, 0.3463, 0.4313

Rectangle

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



65.4978, 0.2170, 0.3012



65.4978, 0.2233, 0.2456



65.4978, 0.4187, 0.3419



65.4978, 0.4071, 0.4098

Sweetspot

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



65.5004, 0.2170, 0.3012



84.1261, 0.2685, 0.3217



71.5751, 0.2989, 0.5959



17.6218, 0.2630, 0.3206



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.



65.5004, 0.2170, 0.3012



17.5797, 0.1688, 0.1278



20.1976, 0.2980, 0.3269



34.3367, 0.2171, 0.3017



3.4188, 0.2181, 0.3051

Inverse Universe

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



27.1435, 0.3443, 0.1671



42.6759, 0.5188, 0.4262



18.2718, 0.3151, 0.3076



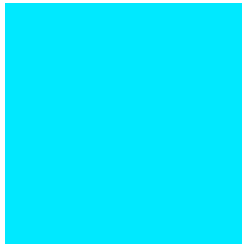
14.1943, 0.3439, 0.1668



1.3897, 0.3410, 0.1652

Previews

White Background



This preview shows how the Yxy color 65.4978, 0.2170, 0.3012 looks on a white background.

Color Contrast Check

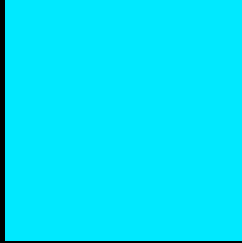
Large Text (above 18pt) WCAG AA × Fail

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 65.4978, 0.2170, 0.3012 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 65.4978, 0.2170, 0.3012

Background



This preview shows how black text looks on a background with the Yxy color 65.4978, 0.2170, 0.3012.



This preview shows how white text looks on a background with the Yxy color 65.4978, 0.2170, 0.3012.

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

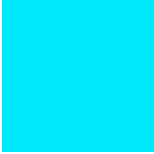
65.4978, 0.2170, 0.3012

Protanopia

64.2639, 0.2906, 0.2956

Deuteranopia

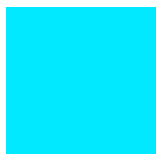
64.3417, 0.2800, 0.2759



Tritanopia

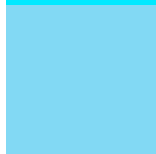
65.3061, 0.2180, 0.3048

Trichromacy



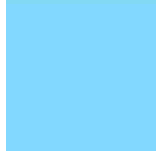
Original Color

65.4978, 0.2170, 0.3012



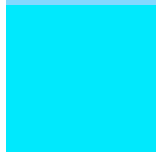
Protanomaly

60.9032, 0.2445, 0.2957



Deuteranomaly

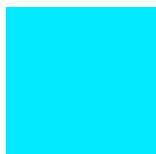
61.0776, 0.2393, 0.2820



Tritanomaly

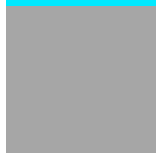
65.3697, 0.2177, 0.3036

Monochromacy



Original Color

65.4978, 0.2170, 0.3012



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

43.9683, 0.2493, 0.3172

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.4978, 0.2170, 0.3012 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, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 233, 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(0, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 233, 255) }
```

Border

The CSS property to change the border of an element to Yxy 65.4978, 0.2170, 0.3012 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, 233, 255) }
```

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

```
.border{ border-color:rgb(0, 233, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 233,  
255) }
```

Background

The CSS property to change the background color of an element to Yxy 65.4978, 0.2170, 0.3012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 233, 255) }
```

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

```
.background{ background-color: rgb(0, 233,  
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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