

Converting Colors

$Y_{xy}(59.8290, 0.1852, 0.2771)$

Have a look what the booklet for
Yxy(59.8290, 0.1852, 0.2771)
contains.

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Color

Yxy(63.2586, 0.2156, 0.2960)

Conversions

Conversions Part 1

Format	Color
Hex	01E5FF
RGB	1, 229, 255
RGB Percent	0%, 90%, 100%
CMY	0.9960, 0.1020, 0.0001
CMYK	1.00, 0.10, 0.00, 0.00
HSL	186°, 100%, 50%
HSV	186°, 100%, 100%
XYZ	46.0762, 63.2586, 104.3767
YIQ	163.7920, -144.2340, -40.2500

Conversions

Conversions Part 2

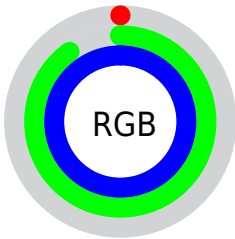
Format	Color
RYB	1, 121, 255
Decimal	124415
CIELab	83.58, -36.44, -25.52
CIELCh	84, 44.482, 215.002
Yxy	63.2586, 0.2156, 0.2960
Android (android.graphics.Color)	4278314495 (0xFF01E5FF)
YUV	163.7920, 44.9655, -142.7686
Hunter-Lab	79.5353, -35.7785, -22.1335

Details

The Yxy color **63.2586, 0.2156, 0.2960** 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 **22.0445, 0.6330, 0.3352**, and the grayscale version is **36.8556, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5916, 0.2440, 0.3288**, and **33.9644, 0.2135, 0.2884** is the 20% darker color. If you saturate the color by 10%, you get **63.1961, 0.2155, 0.2959**, and if you desaturate by 10%, it is **64.9360, 0.2179, 0.2995**.

Distribution



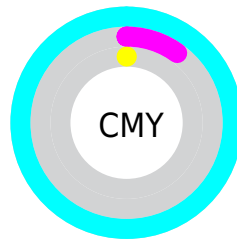
- Red (0%)
- Green (90%)
- Blue (100%)



- Red (0%)
- Yellow (47%)
- Blue (100%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)





- Cyan (100%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.2586, 0.2156, 0.2960 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 63.2586, 0.2156, 0.2960 by changing the saturation by 10% instead.


 63.2586, 0.2156,
0.2960

 63.2586, 0.2156,
0.2960


436.5074, 0.2596,
0.3132


 46.0504, 0.2059,
0.2917

 109.5425, 0.2306,
0.3023


 32.2856, 0.1942,
0.2861


 139.3870, 0.2365,
0.3047


 21.5798, 0.1797,
0.2788


 174.2125, 0.2416,
0.3066

 13.5484, 0.1615,
0.2689

 214.4033, 0.2461,
0.3083

 7.8073, 0.1382,
0.2547

 260.3438, 0.2501,
0.3098

 3.9719, 0.1079,
0.2333

312.4183, 0.2536,

 1.6578, 0.0650,

0.3111

0.1999

371.0114, 0.2568,
0.3122

■ 0.3961, 0.0000,
0.1226

■ 0.0000, 0.0000,
0.0000

■ 63.2586, 0.2156,
0.2960

■ 63.2586, 0.2156,
0.2960

■ 63.1961, 0.2155,
0.2959

■ 64.9360, 0.2179,
0.2995

■ 66.9170, 0.2217,
0.3031

■ 69.2847, 0.2274,
0.3067

■ 72.0907, 0.2351,
0.3103

■ 75.3784, 0.2447,
0.3138

■ 79.1857, 0.2561,
0.3172

■ 83.5467, 0.2689,
0.3205

■ 88.4923, 0.2829,
0.3236

■ 94.0513, 0.2979,
0.3265

Harmonies

Analogous

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



63.2586, 0.2405, 0.3509



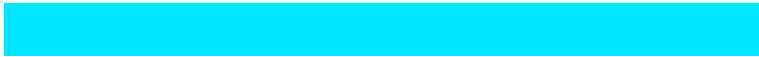
63.2586, 0.2156, 0.2960



63.2586, 0.2141, 0.2577

Triad

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



63.2586, 0.2156, 0.2960



63.2586, 0.3335, 0.2680



63.2586, 0.3903, 0.4220

Complementary

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



63.2586, 0.2156, 0.2960



22.0445, 0.6330, 0.3352

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.



63.2586, 0.4208, 0.3893



63.2586, 0.2156, 0.2960



63.2586, 0.3876, 0.3037

Square

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



63.2586, 0.2156, 0.2960



63.2586, 0.2777, 0.2457



63.2586, 0.4206, 0.3465



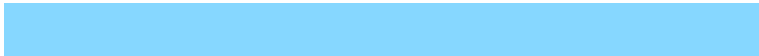
63.2586, 0.3404, 0.4305

Rectangle

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



63.2586, 0.2156, 0.2960



63.2586, 0.2260, 0.2443



63.2586, 0.4206, 0.3465



63.2586, 0.4033, 0.4130

Sweetspot

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



63.2609, 0.2156, 0.2960



83.3699, 0.2684, 0.3204



71.5944, 0.2985, 0.5942



17.4382, 0.2628, 0.3190



0.0000, 0.0000, 0.0000



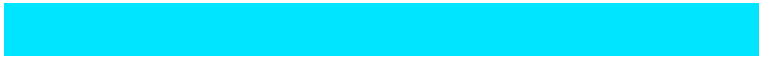
21.4041, 0.3127, 0.3290

Same Dimension

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



63.2609, 0.2156, 0.2960



63.2037, 0.2155, 0.2959



16.8490, 0.1677, 0.1236



20.1449, 0.2980, 0.3265



33.1543, 0.2157, 0.2964



3.3159, 0.2168, 0.3005

Inverse Universe

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



26.9365, 0.3489, 0.1697



26.9116, 0.3491, 0.1697



44.1742, 0.5134, 0.4303



18.2664, 0.3154, 0.3079



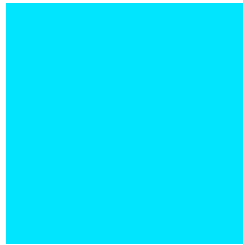
14.0749, 0.3486, 0.1694



1.3793, 0.3450, 0.1674

Previews

White Background



This preview shows how the Yxy color 63.2586, 0.2156, 0.2960 looks on a white background.

Color Contrast Check

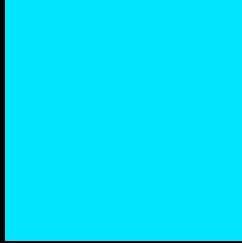
Large Text (above 18pt) WCAG AA × Fail

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 63.2586, 0.2156, 0.2960 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

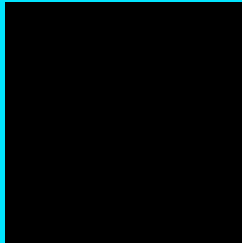
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

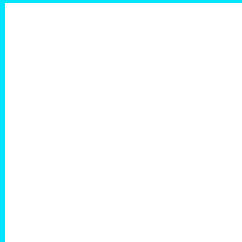
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.2586, 0.2156, 0.2960

Background



This preview shows how black text looks on a background with the Yxy color 63.2586, 0.2156, 0.2960.

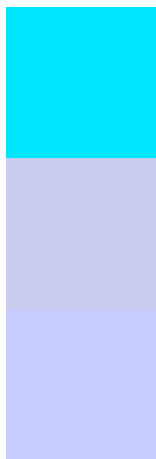


This preview shows how white text looks on a background with the Yxy color 63.2586, 0.2156, 0.2960.

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

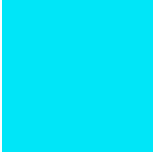
63.2651, 0.2156, 0.2960

Protanopia

62.1740, 0.2863, 0.2908

Deuteranopia

62.0740, 0.2758, 0.2719



Tritanopia

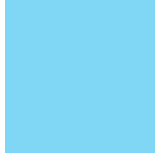
63.3709, 0.2183, 0.3057

Trichromacy



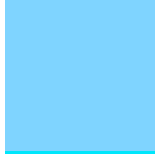
Original Color

63.2651, 0.2156, 0.2960



Protanomaly

59.2749, 0.2424, 0.2907



Deuteranomaly

58.8190, 0.2370, 0.2768



Tritanomaly

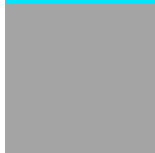
63.5587, 0.2173, 0.3021

Monochromacy



Original Color

63.2651, 0.2156, 0.2960



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

43.0009, 0.2488, 0.3157

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.2586, 0.2156, 0.2960 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(1, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(1, 229, 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(1, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 229, 255) }
```

Border

The CSS property to change the border of an element to Yxy 63.2586, 0.2156, 0.2960 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(1, 229, 255) }
```

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

```
.border{ border-color:rgb(1, 229, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(1, 229,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 63.2586, 0.2156, 0.2960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 229, 255) }
```

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

```
.background{ background-color: rgb(1, 229,  
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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