

Converting Colors

$Y_{xy}(61.5708, 0.2145, 0.2919)$

Have a look what the booklet for
Yxy(61.5708, 0.2145, 0.2919)
contains.

Yxy(61.6256, 0.2145, 0.2920)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(61.6256, 0.2145, 0.2920)

Conversions

Conversions Part 1

Format	Color
Hex	01E2FF
RGB	1, 226, 255
RGB Percent	0%, 89%, 100%
CMY	0.9949, 0.1137, 0.0000
CMYK	0.99, 0.11, 0.00, 0.00
HSL	187°, 100%, 50%
HSV	187°, 99%, 100%
XYZ	45.2695, 61.6256, 104.1515
YIQ	162.0310, -143.4090, -38.6810

Conversions

Conversions Part 2

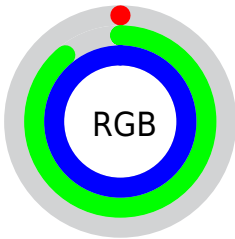
Format	Color
RYB	1, 120, 255
Decimal	123647
CIELab	82.71, -35.02, -26.86
CIELCh	83, 44.134, 217.494
Yxy	61.6256, 0.2145, 0.2920
Android (android.graphics.Color)	4278313727 (0xFF01E2FF)
YUV	162.0310, 45.8337, -141.2242
Hunter-Lab	78.5020, -34.4434, -23.7109

Details

The Yxy color **61.6256, 0.2145, 0.2920** 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 **22.2064, 0.6316, 0.3362**, and the grayscale version is **36.0247, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5219, 0.2436, 0.3288**, and **32.8267, 0.2120, 0.2833** is the 20% darker color. If you saturate the color by 10%, you get **61.5358, 0.2144, 0.2919**, and if you desaturate by 10%, it is **63.4455, 0.2169, 0.2960**.

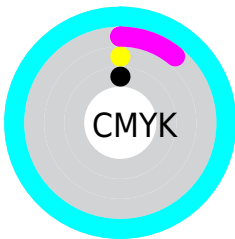
Distribution



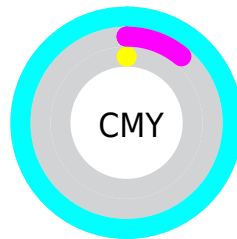
- Red (0%)
- Green (89%)
- Blue (100%)



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



- Cyan (99%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)




- Cyan (99%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.6256, 0.2145, 0.2920 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 61.6256, 0.2145, 0.2920 by changing the saturation by 10% instead.

 61.6256, 0.2145,
0.2920


 61.6256, 0.2145,
0.2920


 430.5641, 0.2591,
0.3111


 44.7302, 0.2047,
0.2872

 107.1842, 0.2297,
0.2990


 31.2450, 0.1927,
0.2811


 136.6163, 0.2357,
0.3016

 20.7855, 0.1780,
0.2731


 170.9961, 0.2409,
0.3038

 12.9673, 0.1594,
0.2622

 210.7079, 0.2455,
0.3057

 7.4060, 0.1357,
0.2467

 256.1362, 0.2495,
0.3073

 3.7173, 0.1048,
0.2236

 307.6655, 0.2531,

 1.5167, 0.0599,

0.3087

0.1881

365.6799, 0.2563,
0.3100

■ 0.3004, 0.0000,
0.0965

■ 0.0000, 0.0000,
0.0000

■ 61.6256, 0.2145,
0.2920

■ 61.6256, 0.2145,
0.2920

■ 61.5358, 0.2144,
0.2919

■ 63.4455, 0.2169,
0.2960

■ 65.5788, 0.2209,
0.3000

■ 68.1048, 0.2268,
0.3040

■ 71.0749, 0.2347,
0.3081

■ 74.5327, 0.2445,
0.3120

■ 78.5158, 0.2560,
0.3159

■ 83.0585, 0.2690,
0.3196

■ 88.1917, 0.2831,
0.3230

■ 93.9442, 0.2980,
0.3262

Harmonies

Analogous

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



61.6256, 0.2375, 0.3461



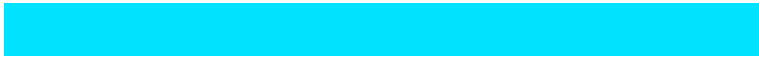
61.6256, 0.2145, 0.2920



61.6256, 0.2150, 0.2554

Triad

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



61.6256, 0.2145, 0.2920



61.6256, 0.3383, 0.2705



61.6256, 0.3868, 0.4239

Complementary

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



61.6256, 0.2145, 0.2920



22.2064, 0.6316, 0.3362

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.



61.6256, 0.4194, 0.3926



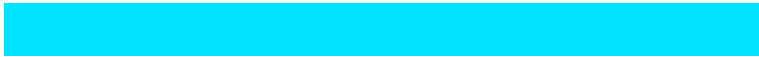
61.6256, 0.2145, 0.2920



61.6256, 0.3914, 0.3070

Square

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



61.6256, 0.2145, 0.2920



61.6256, 0.2819, 0.2469



61.6256, 0.4220, 0.3502



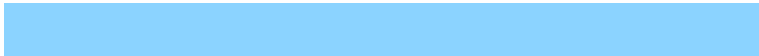
61.6256, 0.3359, 0.4297

Rectangle

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



61.6256, 0.2145, 0.2920



61.6256, 0.2281, 0.2433



61.6256, 0.4220, 0.3502



61.6256, 0.4004, 0.4156

Sweetspot

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



61.6251, 0.2145, 0.2921



82.8126, 0.2683, 0.3194



71.6060, 0.2985, 0.5941



17.3030, 0.2627, 0.3178



0.0000, 0.0000, 0.0000



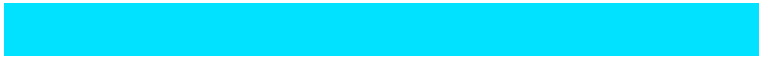
21.4041, 0.3127, 0.3290

Same Dimension

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



61.6251, 0.2145, 0.2921



61.5358, 0.2144, 0.2919



16.8854, 0.1678, 0.1238



20.1060, 0.2980, 0.3262



32.2953, 0.2146, 0.2925



3.2409, 0.2159, 0.2970

Inverse Universe

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



26.7796, 0.3525, 0.1717



26.7432, 0.3527, 0.1716



44.2161, 0.5132, 0.4304



18.2625, 0.3156, 0.3082



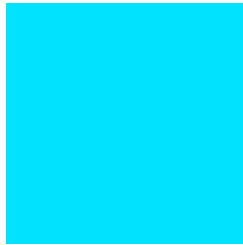
13.9882, 0.3521, 0.1713



1.3717, 0.3480, 0.1691

Previews

White Background



This preview shows how the Yxy color 61.6256, 0.2145, 0.2920 looks on a white background.

Color Contrast Check

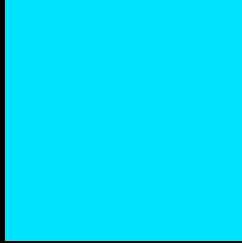
Large Text (above 18pt) WCAG AA × Fail

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 61.6256, 0.2145, 0.2920 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 61.6256, 0.2145, 0.2920

Background



This preview shows how black text looks on a background with the Yxy color 61.6256, 0.2145, 0.2920.

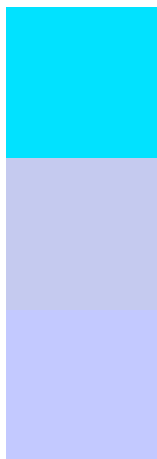


This preview shows how white text looks on a background with the Yxy color 61.6256, 0.2145, 0.2920.

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

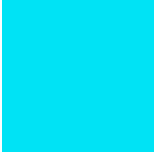
61.6192, 0.2145, 0.2920

Protanopia

60.3434, 0.2841, 0.2870

Deuteranopia

60.5954, 0.2730, 0.2692



Tritanopia

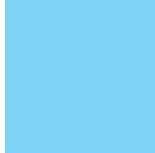
61.5307, 0.2182, 0.3055

Trichromacy



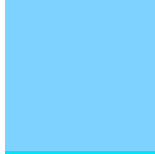
Original Color

61.6192, 0.2145, 0.2920



Protanomaly

57.6167, 0.2408, 0.2867



Deuteranomaly

57.6732, 0.2356, 0.2742



Tritanomaly

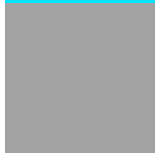
61.7777, 0.2168, 0.3006

Monochromacy



Original Color

61.6192, 0.2145, 0.2920



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

41.6265, 0.2480, 0.3126

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.6256, 0.2145, 0.2920 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, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(1, 226, 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, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 226, 255) }
```

Border

The CSS property to change the border of an element to Yxy 61.6256, 0.2145, 0.2920 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, 226, 255) }
```

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

```
.border{ border-color:rgb(1, 226, 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, 226, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 226, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 226, 255);  
box-shadow:4px 4px 4px 4px rgb(1, 226,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 61.6256, 0.2145, 0.2920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 226, 255) }
```

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

```
.background{ background-color: rgb(1, 226,  
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