

Converting Colors

$Y_{xy}(57.7359, 0.1798, 0.2791)$

Have a look what the booklet for
Yxy(57.7359, 0.1798, 0.2791)
contains.

Yxy(62.1582, 0.2148, 0.2934)	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(62.1582, 0.2148, 0.2934)

Conversions

Conversions Part 1

Format	Color
Hex	00E3FF
RGB	0, 227, 255
RGB Percent	0%, 89%, 100%
CMY	1.0000, 0.1097, 0.0001
CMYK	1.00, 0.11, 0.00, 0.00
HSL	187°, 100%, 50%
HSV	187°, 100%, 100%
XYZ	45.5064, 62.1582, 104.1902
YIQ	162.3190, -144.2800, -39.4160

Conversions

Conversions Part 2

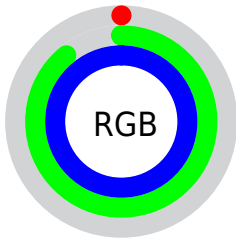
Format	Color
RYB	0, 120, 255
Decimal	58367
CIELab	83.00, -35.56, -26.40
CIELCh	83, 44.287, 216.590
Yxy	62.1582, 0.2148, 0.2934
Android (android.graphics.Color)	4278248447 (0xFF00E3FF)
YUV	162.3190, 45.6917, -142.3538
Hunter-Lab	78.8405, -34.9413, -23.1653

Details

The Yxy color **62.1582, 0.2148, 0.2934** 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 **22.0852, 0.6329, 0.3356**, and the grayscale version is **36.1251, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5219, 0.2436, 0.3288**, and **33.2030, 0.2125, 0.2850** is the 20% darker color. If you saturate the color by 10%, you get **62.1670, 0.2148, 0.2934**, and if you desaturate by 10%, it is **63.9223, 0.2171, 0.2972**.

Distribution



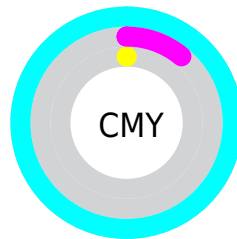
- Red (0%)
- Green (89%)
- Blue (100%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.1582, 0.2148, 0.2934 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 62.1582, 0.2148, 0.2934 by changing the saturation by 10% instead.


 62.1582, 0.2148,
0.2934


 62.1582, 0.2148,
0.2934


432.5079, 0.2592,
0.3118

 45.1605, 0.2050,
0.2888


 107.9541, 0.2300,
0.3001


 31.5839, 0.1931,
0.2829


 137.5212, 0.2359,
0.3027


 21.0439, 0.1784,
0.2751


 172.0469, 0.2411,
0.3048

 13.1561, 0.1600,
0.2645

 211.9155, 0.2457,
0.3066

 7.5361, 0.1364,
0.2495

 257.5116, 0.2497,
0.3082

 3.7996, 0.1057,
0.2269

309.2194, 0.2532,

 1.5621, 0.0614,

0.3096

367.4234, 0.2564,
0.3108

0.1921

0.3318, 0.0000,
0.1054

0.0000, 0.0000,
0.0000

62.1582, 0.2148,
0.2934

62.1582, 0.2148,
0.2934

62.1670, 0.2148,
0.2934

63.9223, 0.2171,
0.2972

65.9803, 0.2210,
0.3010

68.4258, 0.2268,
0.3049

71.3108, 0.2345,
0.3087

■ 74.6791, 0.2441,
0.3125

■ 78.5688, 0.2555,
0.3162

■ 83.0141, 0.2683,
0.3198

■ 88.0461, 0.2823,
0.3231

■ 93.6936, 0.2972,
0.3262

Harmonies

Analogous

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



62.1582, 0.2385, 0.3479



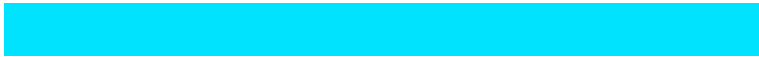
62.1582, 0.2148, 0.2934



62.1582, 0.2146, 0.2561

Triad

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



62.1582, 0.2148, 0.2934



62.1582, 0.3366, 0.2695



62.1582, 0.3882, 0.4233

Complementary

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



62.1582, 0.2148, 0.2934



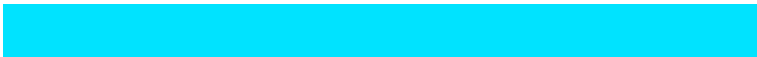
22.0852, 0.6329, 0.3356

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.



62.1582, 0.4200, 0.3915



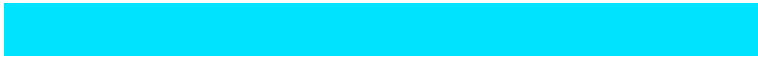
62.1582, 0.2148, 0.2934



62.1582, 0.3901, 0.3058

Square

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



62.1582, 0.2148, 0.2934



62.1582, 0.2804, 0.2464



62.1582, 0.4216, 0.3489



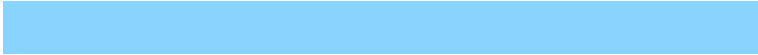
62.1582, 0.3375, 0.4301

Rectangle

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



62.1582, 0.2148, 0.2934



62.1582, 0.2272, 0.2436



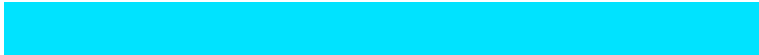
62.1582, 0.4216, 0.3489



62.1582, 0.4015, 0.4147

Sweetspot

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



62.1670, 0.2148, 0.2934



83.0277, 0.2683, 0.3198



71.5805, 0.2985, 0.5946



17.3552, 0.2627, 0.3183



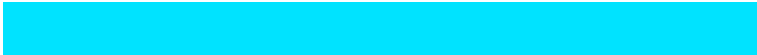
0.0000, 0.0000, 0.0000



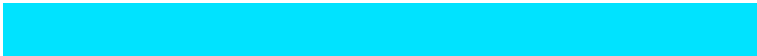
21.4041, 0.3127, 0.3290

Same Dimension

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



62.1670, 0.2148, 0.2934



62.1772, 0.2148, 0.2934



16.7201, 0.1675, 0.1228



20.1210, 0.2980, 0.3263



32.6257, 0.2150, 0.2940



3.2698, 0.2162, 0.2984

Inverse Universe

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



26.8035, 0.3513, 0.1709



26.8080, 0.3513, 0.1709



44.0353, 0.5140, 0.4301



18.2640, 0.3155, 0.3081



14.0215, 0.3507, 0.1706



1.3746, 0.3469, 0.1684

Previews

White Background



This preview shows how the Yxy color 62.1582, 0.2148, 0.2934 looks on a white background.

Color Contrast Check

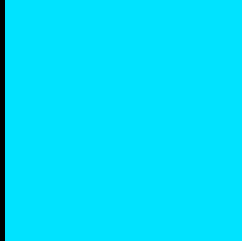
Large Text (above 18pt) WCAG AA × Fail

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 62.1582, 0.2148, 0.2934 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

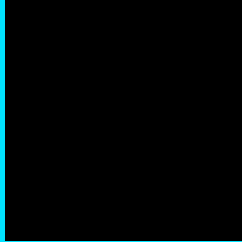
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.1582, 0.2148, 0.2934

Background



This preview shows how black text looks on a background with the Yxy color 62.1582, 0.2148, 0.2934.

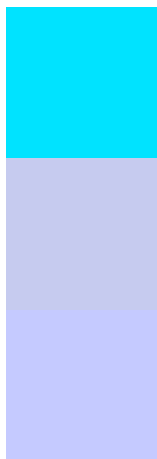


This preview shows how white text looks on a background with the Yxy color 62.1582, 0.2148, 0.2934.

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

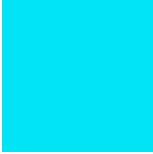
62.1582, 0.2148, 0.2934

Protanopia

60.9496, 0.2848, 0.2883

Deuteranopia

61.3314, 0.2744, 0.2705



Tritanopia

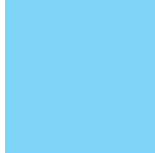
62.1406, 0.2182, 0.3056

Trichromacy



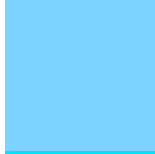
Original Color

62.1582, 0.2148, 0.2934



Protanomaly

58.1152, 0.2410, 0.2880



Deuteranomaly

58.1685, 0.2358, 0.2754



Tritanomaly

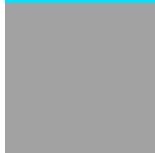
62.3264, 0.2172, 0.3019

Monochromacy



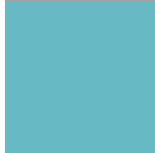
Original Color

62.1582, 0.2148, 0.2934



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

41.9869, 0.2477, 0.3141

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.1582, 0.2148, 0.2934 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, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 227, 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, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 227, 255) }
```

Border

The CSS property to change the border of an element to Yxy 62.1582, 0.2148, 0.2934 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, 227, 255) }
```

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

```
.border{ border-color:rgb(0, 227, 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, 227, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 227,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 62.1582, 0.2148, 0.2934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 227, 255) }
```

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

```
.background{ background-color: rgb(0, 227,  
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