

# Converting Colors

$Y_{xy}(65.3054, 0.2038, 0.2416)$

Have a look what the booklet for  
Yxy(65.3054, 0.2038, 0.2416)  
contains.

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# Color

**Yxy(61.8005, 0.2185, 0.2911)**

# Conversions

## Conversions Part 1

Format	Color
Hex	34E1FF
RGB	52, 225, 255
RGB Percent	20%, 88%, 100%
CMY	0.7967, 0.1176, 0.0000
CMYK	0.80, 0.12, 0.00, 0.00
HSL	189°, 100%, 60%
HSV	189°, 80%, 100%
XYZ	46.3875, 61.8005, 104.1119
YIQ	176.6930, -112.7380, -27.3460

# Conversions

## Conversions Part 2

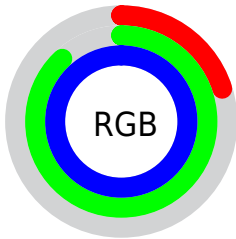
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	52, 145, 255
Decimal	3465727
CIE <sub>Lab</sub>	82.81, -32.23, -26.68
CIE <sub>LCh</sub>	83, 41.839, 219.615
Yxy	61.8005, 0.2185, 0.2911
Android (android.graphics.Color)	4281655807 (0xFF34E1FF)
YUV	176.6930, 38.6054, -109.3558
Hunter-Lab	78.6133, -32.2454, -23.4917

# Details

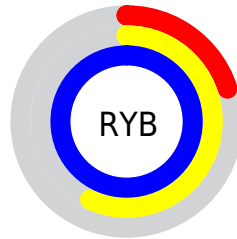
The Yxy color **61.8005, 0.2185, 0.2911** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **27.5149, 0.5711, 0.3503**, and the grayscale version is **43.6109, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6455, 0.2489, 0.3288**, and **32.4532, 0.2116, 0.2816** is the 20% darker color. If you saturate the color by 10%, you get **59.2864, 0.2141, 0.2859**, and if you desaturate by 10%, it is **64.7251, 0.2249, 0.2965**.

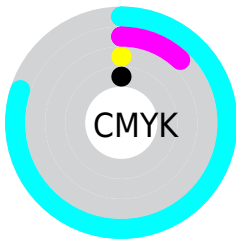
# Distribution



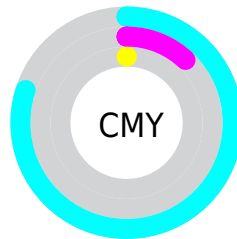
- Red (20%)
- Green (88%)
- Blue (100%)



- Red (20%)
- Yellow (57%)
- Blue (100%)



- Cyan (80%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)




- Cyan (80%)
- Magenta (12%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.8005, 0.2185, 0.2911 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 61.8005, 0.2185, 0.2911 by changing the saturation by 10% instead.




 61.8005, 0.2185,  
0.2911


 61.8005, 0.2185,  
0.2911

431.2030, 0.2614,  
0.3105

 44.8715, 0.2090,  
0.2863


 107.4371, 0.2332,  
0.2981

 31.3562, 0.1975,  
0.2802


 136.9136, 0.2389,  
0.3008

 20.8703, 0.1832,  
0.2722


 171.3413, 0.2439,  
0.3030

 13.0292, 0.1652,  
0.2613

 211.1047, 0.2483,  
0.3049

 7.4487, 0.1420,  
0.2460

256.5882, 0.2522,  
0.3066

 3.7442, 0.1116,  
0.2232

308.1762, 0.2556,

 1.5315, 0.0688,

0.3081

0.1879

366.2530, 0.2586,  
0.3093

■ 0.3108, 0.0000,  
0.0996

■ 0.0000, 0.0000,  
0.0000

■ 61.8005, 0.2185,  
0.2911

■ 61.8005, 0.2185,  
0.2911

■ 59.2864, 0.2141,  
0.2859

■ 64.7251, 0.2249,  
0.2965

■ 57.0992, 0.2113,  
0.2806

■ 68.1103, 0.2332,  
0.3017

■ 57.0301, 0.2113,  
0.2805

■ 72.0002, 0.2433,  
0.3069

■ 76.4331, 0.2552,  
0.3119

■ 81.4432, 0.2684,  
0.3167

■ 87.0617, 0.2827,  
0.3212

■ 93.3175, 0.2977,  
0.3253

■ 100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



61.8005, 0.2391, 0.3415



61.8005, 0.2185, 0.2911



61.8005, 0.2205, 0.2575

# Triad

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



61.8005, 0.2185, 0.2911



61.8005, 0.3410, 0.2754



61.8005, 0.3803, 0.4205

# Complementary

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



61.8005, 0.2185, 0.2911



27.5149, 0.5711, 0.3503

# 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.



61.8005, 0.4126, 0.3925



61.8005, 0.2185, 0.2911



61.8005, 0.3902, 0.3111

# Square

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



61.8005, 0.2185, 0.2911



61.8005, 0.2872, 0.2518



61.8005, 0.4171, 0.3526

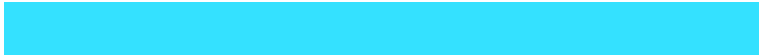


61.8005, 0.3313, 0.4232

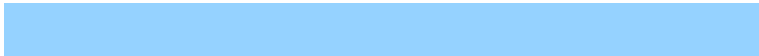


# Rectangle

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



61.8005, 0.2185, 0.2911



61.8005, 0.2341, 0.2467



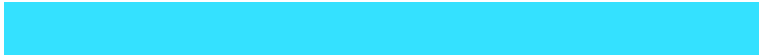
61.8005, 0.4171, 0.3526



61.8005, 0.3936, 0.4132

# Sweetspot

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



61.8011, 0.2185, 0.2911



84.5536, 0.2764, 0.3193



72.8091, 0.2950, 0.5567



17.6748, 0.2713, 0.3177



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

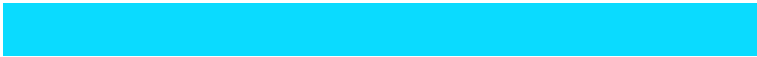


# Same Dimension

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



61.8011, 0.2185, 0.2911



57.8774, 0.2122, 0.2826



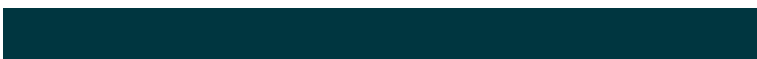
22.9518, 0.1827, 0.1556



19.9975, 0.2980, 0.3254



29.9734, 0.2115, 0.2813



3.0374, 0.2132, 0.2873



# Inverse Universe

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



29.1381, 0.3523, 0.1831



26.5887, 0.3610, 0.1774



54.3538, 0.4727, 0.4409



18.2516, 0.3161, 0.3090



13.7538, 0.3622, 0.1769



1.3512, 0.3568, 0.1739



# Previews

## White Background



This preview shows how the Yxy color 61.8005, 0.2185, 0.2911 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

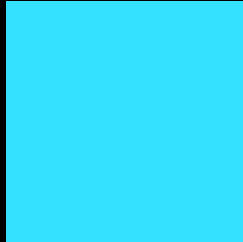
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.8005, 0.2185, 0.2911 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

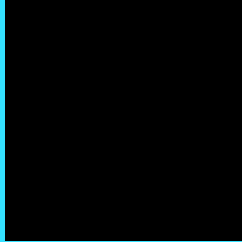
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 61.8005, 0.2185, 0.2911**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.8005, 0.2185, 0.2911.

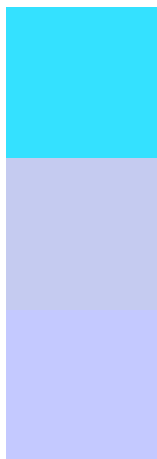


This preview shows how white text looks on a background with the Yxy color 61.8005, 0.2185, 0.2911.

# 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

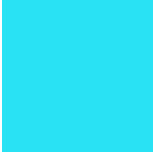
61.8005, 0.2185, 0.2911

### Protanopia

60.8735, 0.2835, 0.2871

### Deuteranopia

60.7291, 0.2736, 0.2693



## **Tritanopia**

62.0022, 0.2212, 0.3056

# Trichromacy



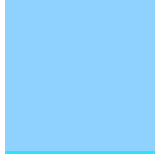
## Original Color

61.8005, 0.2185, 0.2911



## Protanomaly

59.1104, 0.2495, 0.2877



## Deuteranomaly

59.2425, 0.2445, 0.2754



## Tritanomaly

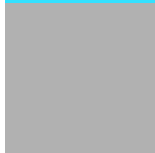
61.7902, 0.2199, 0.2995

# Monochromacy



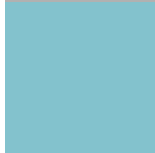
## Original Color

61.8005, 0.2185, 0.2911



## Achromatopsia

43.9657, 0.3127, 0.3290



## Achromatomaly

47.8166, 0.2603, 0.3138

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.8005, 0.2185, 0.2911 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(52, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(52, 225, 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(52, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 225, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 61.8005, 0.2185, 0.2911 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(52, 225, 255) }
```

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

```
.border{ border-color:rgb(52, 225, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(52, 225,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.8005, 0.2185, 0.2911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 225, 255) }
```

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

```
.background{ background-color: rgb(52, 225,  
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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