

# Converting Colors

$Yxy(62.3746, 0.2161, 0.2935)$

Have a look what the booklet for  
Yxy(62.3746, 0.2161, 0.2935)  
contains.

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# Color

**Yxy(62.3648, 0.2161, 0.2935)**

# Conversions

## Conversions Part 1

Format	Color
Hex	19E3FF
RGB	25, 227, 255
RGB Percent	10%, 89%, 100%
CMY	0.9014, 0.1098, 0.0001
CMYK	0.90, 0.11, 0.00, 0.00
HSL	187°, 100%, 55%
HSV	187°, 90%, 100%
XYZ	45.9183, 62.3648, 104.2034
YIQ	169.7940, -129.3800, -34.1160

# Conversions

## Conversions Part 2

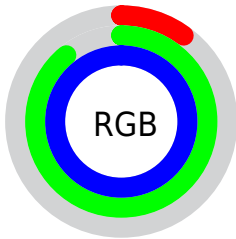
<b>Format</b>	<b>Color</b>
<b>RYB</b>	25, 133, 255
Decimal	1696767
CIELab	83.11, -34.85, -26.22
CIELCh	83, 43.615, 216.951
Yxy	62.3648, 0.2161, 0.2935
Android (android.graphics.Color)	4279886847 (0xFF19E3FF)
YUV	169.7940, 42.0066, -126.9843
Hunter-Lab	78.9714, -34.4101, -22.9537

# Details

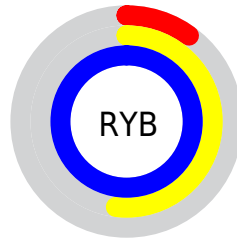
The Yxy color **62.3648, 0.2161, 0.2935** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **23.8817, 0.6111, 0.3419**, and the grayscale version is **39.9461, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8776, 0.2453, 0.3288**, and **33.2030, 0.2125, 0.2850** is the 20% darker color. If you saturate the color by 10%, you get **60.5004, 0.2137, 0.2893**, and if you desaturate by 10%, it is **64.5658, 0.2201, 0.2978**.

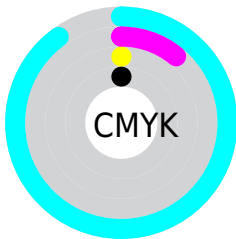
# Distribution



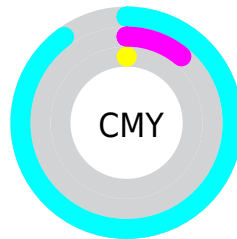
- Red (10%)
- Green (89%)
- Blue (100%)



- Red (10%)
- Yellow (52%)
- Blue (100%)



- Cyan (90%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (90%)
- Magenta (11%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.3648, 0.2161, 0.2935 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 62.3648, 0.2161, 0.2935 by changing the saturation by 10% instead.





 62.3648, 0.2161,  
0.2935


 62.3648, 0.2161,  
0.2935


433.2605, 0.2600,  
0.3118

 45.3275, 0.2064,  
0.2889


 108.2526, 0.2311,  
0.3002

 31.7155, 0.1947,  
0.2830


 137.8719, 0.2370,  
0.3027

 21.1443, 0.1802,  
0.2754


 172.4540, 0.2421,  
0.3048

 13.2295, 0.1619,  
0.2649

 212.3834, 0.2466,  
0.3066

 7.5868, 0.1385,  
0.2500

258.0443, 0.2505,  
0.3082

 3.8317, 0.1080,  
0.2277

309.8212, 0.2540,

 1.5799, 0.0646,

0.3096

0.1932

368.0985, 0.2571,  
0.3108

■ 0.3440, 0.0000,  
0.1088

■ 0.0000, 0.0000,  
0.0000

■ 62.3648, 0.2161,  
0.2935

■ 62.3648, 0.2161,  
0.2935

■ 60.5004, 0.2137,  
0.2893

■ 64.5658, 0.2201,  
0.2978

■ 67.1568, 0.2260,  
0.3021

■ 70.1925, 0.2338,  
0.3064

■ 73.7166, 0.2436,  
0.3107

■ 77.7674, 0.2551,  
0.3148

■ 82.3790, 0.2680,  
0.3187

■ 87.5828, 0.2821,  
0.3224

■ 93.4077, 0.2970,  
0.3258

■ 99.8804, 0.3125,  
0.3290

# Harmonies

## Analogous

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



62.3648, 0.2393, 0.3469



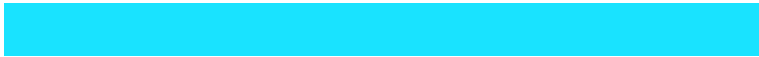
62.3648, 0.2161, 0.2935



62.3648, 0.2161, 0.2570

# Triad

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



62.3648, 0.2161, 0.2935



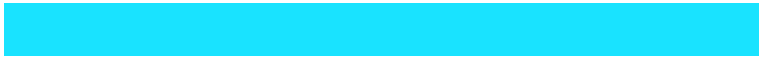
62.3648, 0.3369, 0.2708



62.3648, 0.3865, 0.4221

# Complementary

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



62.3648, 0.2161, 0.2935



23.8817, 0.6111, 0.3419

# 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.



62.3648, 0.4181, 0.3911



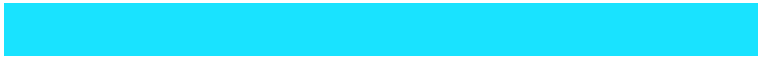
62.3648, 0.2161, 0.2935



62.3648, 0.3894, 0.3067

# Square

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



62.3648, 0.2161, 0.2935



62.3648, 0.2815, 0.2477



62.3648, 0.4200, 0.3493

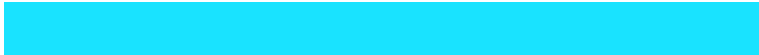


62.3648, 0.3366, 0.4282

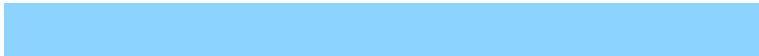


# Rectangle

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



62.3648, 0.2161, 0.2935



62.3648, 0.2288, 0.2447



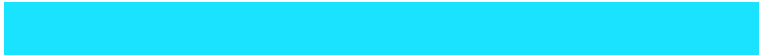
62.3648, 0.4200, 0.3493



62.3648, 0.3998, 0.4138

# Sweetspot

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



62.3670, 0.2161, 0.2935



83.9679, 0.2723, 0.3199



71.9602, 0.2967, 0.5807



17.6079, 0.2676, 0.3186



0.0000, 0.0000, 0.0000

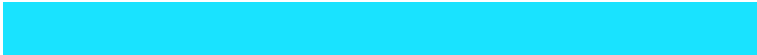


21.4041, 0.3127, 0.3290

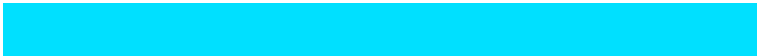


# Same Dimension

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



62.3670, 0.2161, 0.2935



60.5135, 0.2137, 0.2893



19.2903, 0.1733, 0.1371



20.0818, 0.2980, 0.3260



31.7687, 0.2139, 0.2900



3.1949, 0.2153, 0.2949



# Inverse Universe

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



27.5025, 0.3509, 0.1741



26.6400, 0.3549, 0.1729



48.9154, 0.4947, 0.4384



18.2601, 0.3157, 0.3084



13.9350, 0.3543, 0.1725



1.3671, 0.3499, 0.1701



# Previews

## White Background



This preview shows how the Yxy color 62.3648, 0.2161, 0.2935 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

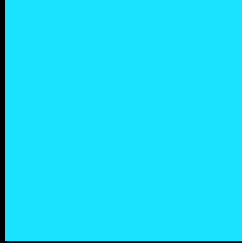
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.3648, 0.2161, 0.2935 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

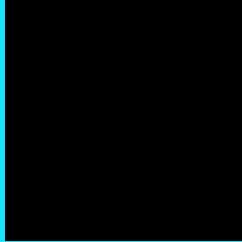
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.3648, 0.2161, 0.2935**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.3648, 0.2161, 0.2935.

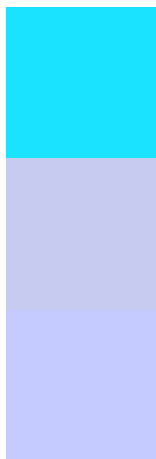


This preview shows how white text looks on a background with the Yxy color 62.3648, 0.2161, 0.2935.

# 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

62.3648, 0.2161, 0.2935

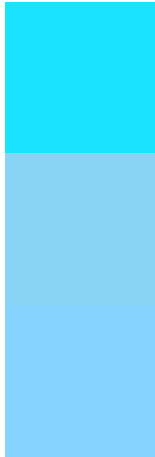
### Protanopia

61.0860, 0.2855, 0.2884

### Deuteranopia

61.3314, 0.2744, 0.2705

# Trichromacy



## Original Color

62.3648, 0.2161, 0.2935

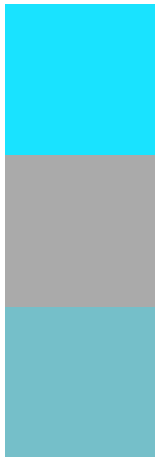
## Protanomaly

58.9138, 0.2457, 0.2885

## Deuteranomaly

58.9594, 0.2404, 0.2761

# Monochromacy



## Original Color

62.3648, 0.2161, 0.2935

## Achromatopsia

40.1978, 0.3127, 0.3290

## Achromatomaly

45.2606, 0.2538, 0.3147

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.3648, 0.2161, 0.2935 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(25, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(25, 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(25, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 227, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 62.3648, 0.2161, 0.2935 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(25, 227, 255) }
```

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

```
.border{ border-color:rgb(25, 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(25, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(25, 227,  
255) }
```

# Background

The CSS property to change the background color of an element to Yxy 62.3648, 0.2161, 0.2935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 227, 255) }
```

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

```
.background{ background-color: rgb(25, 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](#).



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