

# Converting Colors

$Yxy(64.3160, 0.2355, 0.3066)$

Have a look what the booklet for  
Yxy(64.3160, 0.2355, 0.3066)  
contains.

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# Color

**Yxy(64.3555, 0.2354, 0.3065)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66E3F5
RGB	102, 227, 245
RGB Percent	40%, 89%, 96%
CMY	0.6000, 0.1098, 0.0393
CMYK	0.58, 0.07, 0.00, 0.04
HSL	188°, 88%, 68%
HSV	188°, 58%, 96%
XYZ	49.4267, 64.3555, 96.1868
YIQ	191.6770, -80.2780, -20.9020

# Conversions

## Conversions Part 2

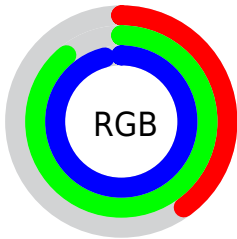
Format	Color
R <sub>Y</sub> B	102, 169, 245
Decimal	6743029
CIE Lab	84.15, -29.60, -19.23
CIE LCh	84, 35.302, 213.006
Yxy	64.3555, 0.2354, 0.3065
Android (android.graphics.Color)	4284933109 (0xFF66E3F5)
YUV	191.6770, 26.2882, -78.6467
Hunter-Lab	80.2219, -30.4100, -14.9340

# Details

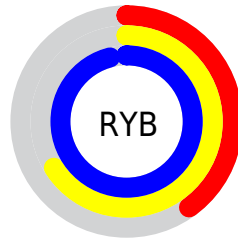
The Yxy color **64.3555, 0.2354, 0.3065** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.7946, 0.4812, 0.3477**, and the grayscale version is **52.3935, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6325, 0.2624, 0.3289**, and **32.9015, 0.2175, 0.2989** is the 20% darker color. If you saturate the color by 10%, you get **61.4622, 0.2271, 0.3021**, and if you desaturate by 10%, it is **67.7066, 0.2455, 0.3109**.

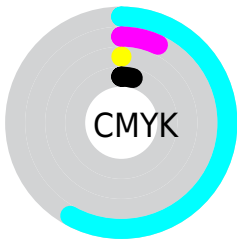
# Distribution



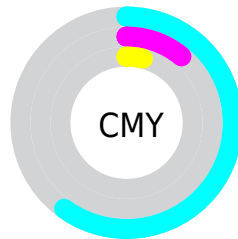
- Red (40%)
- Green (89%)
- Blue (96%)



- Red (40%)
- Yellow (66%)
- Blue (96%)



- Cyan (58%)
- Magenta (7%)
- Yellow (0%)
- Black (4%)




- Cyan (60%)
- Magenta (11%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.3555, 0.2354, 0.3065 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 64.3555, 0.2354, 0.3065 by changing the saturation by 10% instead.



 64.3555, 0.2354,  
0.3065

 64.3555, 0.2354,  
0.3065


440.4723, 0.2708,  
0.3182

 46.9387, 0.2275,  
0.3035


 111.1228, 0.2476,  
0.3108

 32.9872, 0.2178,  
0.2998


 141.2420, 0.2523,  
0.3124

 22.1166, 0.2056,  
0.2947

 176.3641, 0.2565,  
0.3137

 13.9426, 0.1901,  
0.2878

216.8735, 0.2601,  
0.3149

 8.0808, 0.1697,  
0.2778

263.1547, 0.2632,  
0.3159

 4.1467, 0.1420,  
0.2623

315.5919, 0.2660,

 1.7559, 0.1030,

0.3167

0.2361

374.5697, 0.2686,  
0.3175

■ 0.4595, 0.0000,  
0.1768

■ 0.0000, 0.0000,  
0.0000

■ 64.3555, 0.2354,  
0.3065

■ 64.3555, 0.2354,  
0.3065

■ 61.4622, 0.2271,  
0.3021

■ 67.7066, 0.2455,  
0.3109

■ 58.9807, 0.2208,  
0.2976


■ 71.5420, 0.2573,  
0.3151


■ 56.8679, 0.2164,  
0.2932

■ 75.8949, 0.2705,  
0.3191


■ 55.0594, 0.2137,  
0.2888


■ 80.7931, 0.2847,  
0.3228


 54.7781, 0.2134,  
0.2881

 86.2625, 0.2998,  
0.3263

 92.3271, 0.3153,  
0.3295

 95.3338, 0.3190,  
0.3325

 97.2489, 0.3187,  
0.3354

 99.1953, 0.3185,  
0.3383

# Harmonies

## Analogous

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



64.3555, 0.2574, 0.3496



64.3555, 0.2354, 0.3065



64.3555, 0.2326, 0.2742

# Triad

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



64.3555, 0.2354, 0.3065



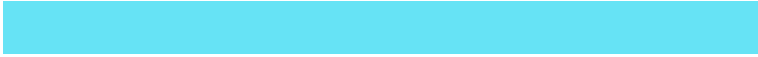
64.3555, 0.3265, 0.2782



64.3555, 0.3773, 0.4021

# Complementary

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



64.3555, 0.2354, 0.3065



33.7946, 0.4812, 0.3477

# 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.



64.3555, 0.3992, 0.3765



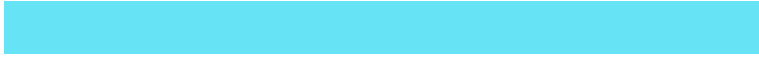
64.3555, 0.2354, 0.3065



64.3555, 0.3693, 0.3070

# Square

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



64.3555, 0.2354, 0.3065



64.3555, 0.2826, 0.2609



64.3555, 0.3967, 0.3420



64.3555, 0.3386, 0.4084

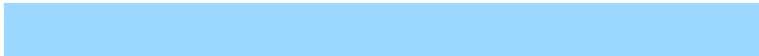


# Rectangle

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



64.3555, 0.2354, 0.3065



64.3555, 0.2416, 0.2619



64.3555, 0.3967, 0.3420



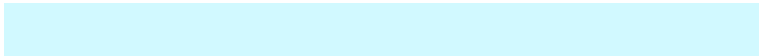
64.3555, 0.3869, 0.3952

# Sweetspot

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



64.3579, 0.2354, 0.3065



88.6835, 0.2852, 0.3230



69.4423, 0.2971, 0.4980



18.6322, 0.2810, 0.3219



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.



64.3579, 0.2354, 0.3065



66.8065, 0.2259, 0.3013



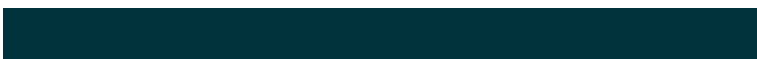
33.4651, 0.2144, 0.2112



18.3814, 0.2981, 0.3259



29.6569, 0.2136, 0.2888



2.7041, 0.2151, 0.2943



# Inverse Universe

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



34.4578, 0.3367, 0.2062



32.3562, 0.3426, 0.1895



57.2693, 0.4292, 0.4201



16.7303, 0.3157, 0.3086



13.0933, 0.3554, 0.1732

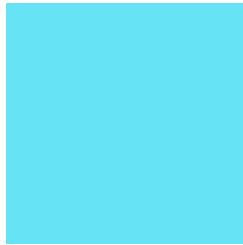


1.1606, 0.3505, 0.1704



# Previews

## White Background



This preview shows how the Yxy color 64.3555, 0.2354, 0.3065 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

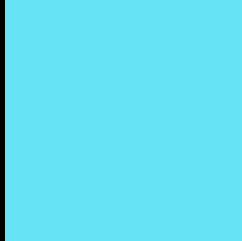
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.3555, 0.2354, 0.3065 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 64.3555, 0.2354, 0.3065**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.3555, 0.2354, 0.3065.

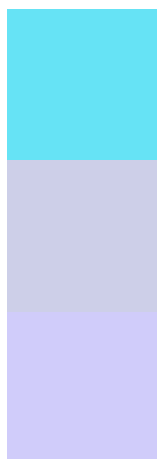


This preview shows how white text looks on a background with the Yxy color 64.3555, 0.2354, 0.3065.

# 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

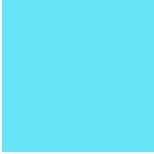
64.3555, 0.2354, 0.3065

### Protanopia

63.4310, 0.2944, 0.3009

### Deuteranopia

63.4978, 0.2849, 0.2789



## **Tritanopia**

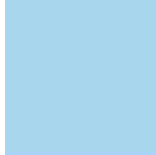
64.3555, 0.2354, 0.3065

# Trichromacy



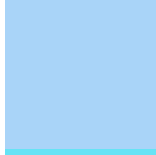
## Original Color

64.3555, 0.2354, 0.3065



## Protanomaly

62.5324, 0.2677, 0.3017



## Deuteranomaly

62.2993, 0.2620, 0.2871



## Tritanomaly

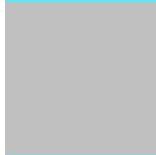
64.3555, 0.2354, 0.3065

# Monochromacy



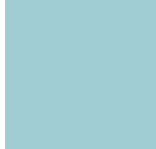
## Original Color

64.3555, 0.2354, 0.3065



## Achromatopsia

52.7115, 0.3127, 0.3290



## Achromatomaly

55.7367, 0.2760, 0.3213

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.3555, 0.2354, 0.3065 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(102, 227, 245)` looks like.

```
.text, #text, p{  
    color:rgb(102, 227, 245)  
}
```

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(102, 227, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 227, 245) }
```

## Border

The CSS property to change the border of an element to Yxy 64.3555, 0.2354, 0.3065 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(102, 227, 245) }
```

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

```
.border{ border-color:rgb(102, 227, 245) }
```

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

Here you see how a box with a 4 pixel rgb(102, 227, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 227, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 227, 245);  
box-shadow:4px 4px 4px 4px rgb(102, 227,  
245) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.3555, 0.2354, 0.3065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 227, 245) }
```

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

```
.background{ background-color: rgb(102,  
227, 245) }
```

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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