

# Converting Colors

$Yxy(67.3747, 0.2418, 0.3123)$

Have a look what the booklet for  
Yxy(67.3747, 0.2418, 0.3123)  
contains.

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# **Color**

**Yxy(67.3965, 0.2420, 0.3130)**

# Conversions

## Conversions Part 1

Format	Color
Hex	74E7F4
RGB	116, 231, 244
RGB Percent	45%, 91%, 96%
CMY	0.5448, 0.0941, 0.0433
CMYK	0.52, 0.05, 0.00, 0.04
HSL	186°, 85%, 71%
HSV	186°, 52%, 96%
XYZ	52.1085, 67.3965, 95.8193
YIQ	198.0970, -72.7130, -20.3370

# Conversions

## Conversions Part 2

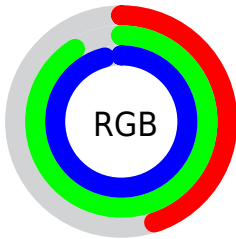
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	116, 177, 244
Decimal	7661556
CIE Lab	85.70, -29.16, -16.31
CIE LCh	86, 33.406, 209.219
Yxy	67.3965, 0.2420, 0.3130
Android (android.graphics.Color)	4285851636 (0xFF74E7F4)
YUV	198.0970, 22.6302, -71.9991
Hunter-Lab	82.0954, -30.3674, -11.7348

# Details

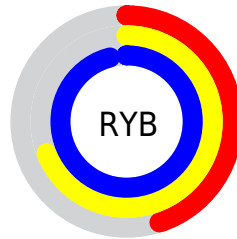
The Yxy color **67.3965, 0.2420, 0.3130** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **36.1960, 0.4579, 0.3431**, and the grayscale version is **56.4363, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9701, 0.2681, 0.3289**, and **34.9192, 0.2258, 0.3076** is the 20% darker color. If you saturate the color by 10%, you get **64.5656, 0.2329, 0.3095**, and if you desaturate by 10%, it is **70.6910, 0.2529, 0.3164**.

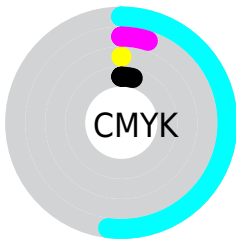
# Distribution



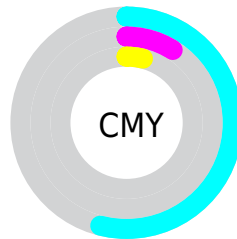
- Red (45%)
- Green (91%)
- Blue (96%)



- Red (45%)
- Yellow (69%)
- Blue (96%)



- Cyan (52%)
- Magenta (5%)
- Yellow (0%)
- Black (4%)




- Cyan (54%)
- Magenta (9%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.3965, 0.2420, 0.3130 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 67.3965, 0.2420, 0.3130 by changing the saturation by 10% instead.




 67.3965, 0.2420,  
0.3130

 67.3965, 0.2420,  
0.3130


451.3548, 0.2743,  
0.3214


 49.4069, 0.2348,  
0.3109


 115.4884, 0.2531,  
0.3161

 34.9424, 0.2260,  
0.3081


 146.3595, 0.2574,  
0.3173

 23.6185, 0.2149,  
0.3044


 182.2932, 0.2612,  
0.3182

 15.0509, 0.2008,  
0.2993

223.6739, 0.2645,  
0.3190

 8.8551, 0.1821,  
0.2918

270.8860, 0.2674,  
0.3198

 4.6468, 0.1566,  
0.2802

324.3139, 0.2699,

 2.0415, 0.1203,

0.3204

0.2600

384.3421, 0.2722,  
0.3209

■ 0.6314, 0.0000,  
0.2303

■ 0.0000, 0.0000,  
0.0000

■ 67.3965, 0.2420,  
0.3130

■ 67.3965, 0.2420,  
0.3130

■ 64.5656, 0.2329,  
0.3095

■ 70.6910, 0.2529,  
0.3164

■ 62.1555, 0.2258,  
0.3059


■ 74.4729, 0.2653,  
0.3197


■ 60.1281, 0.2206,  
0.3024

■ 78.7733, 0.2790,  
0.3228


■ 58.4343, 0.2172,  
0.2989


■ 83.6185, 0.2936,  
0.3257


 57.3170, 0.2156,  
0.2963

 89.0329, 0.3089,  
0.3284

 93.6007, 0.3198,  
0.3308

 95.1135, 0.3196,  
0.3332

 96.6463, 0.3194,  
0.3356

 98.1994, 0.3192,  
0.3379

# Harmonies

## Analogous

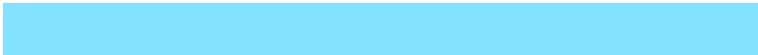
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.3965, 0.2648, 0.3534



67.3965, 0.2420, 0.3130



67.3965, 0.2370, 0.2810

# Triad

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



67.3965, 0.2420, 0.3130



67.3965, 0.3203, 0.2786



67.3965, 0.3767, 0.3951

# Complementary

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



67.3965, 0.2420, 0.3130



36.1960, 0.4579, 0.3431

# 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.



67.3965, 0.3944, 0.3700



67.3965, 0.2420, 0.3130



67.3965, 0.3610, 0.3047

# Square

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



67.3965, 0.2420, 0.3130



67.3965, 0.2800, 0.2640



67.3965, 0.3888, 0.3372



67.3965, 0.3422, 0.4033

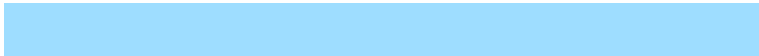


# Rectangle

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



67.3965, 0.2420, 0.3130



67.3965, 0.2439, 0.2679



67.3965, 0.3888, 0.3372



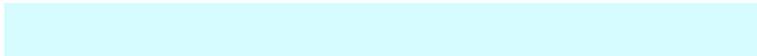
67.3965, 0.3849, 0.3881

# Sweetspot

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



67.3991, 0.2420, 0.3130



90.4564, 0.2882, 0.3247



69.9773, 0.2992, 0.4812



19.1239, 0.2852, 0.3241



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.



67.3991, 0.2420, 0.3130



71.1870, 0.2323, 0.3092



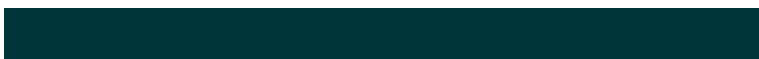
37.9661, 0.2249, 0.2283



18.4539, 0.2981, 0.3265



31.2935, 0.2158, 0.2968



2.8317, 0.2170, 0.3012



# Inverse Universe

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



37.5015, 0.3308, 0.2140



35.5432, 0.3351, 0.1959



58.5417, 0.4167, 0.4102



16.7377, 0.3154, 0.3080



13.2585, 0.3482, 0.1692

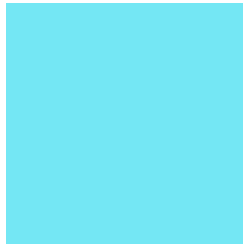


1.1735, 0.3444, 0.1671



# Previews

## White Background



This preview shows how the Yxy color 67.3965, 0.2420, 0.3130 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

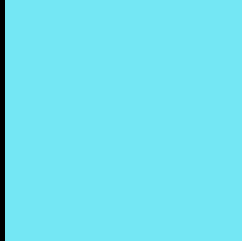
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.3965, 0.2420, 0.3130 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

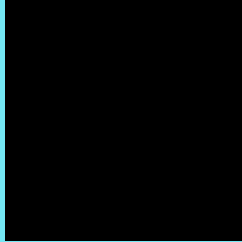
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 67.3965, 0.2420, 0.3130**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.3965, 0.2420, 0.3130.

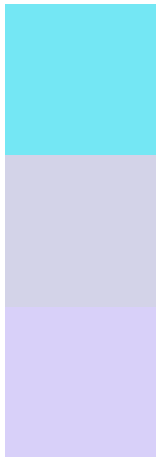


This preview shows how white text looks on a background with the Yxy color 67.3965, 0.2420, 0.3130.

# 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

67.3965, 0.2420, 0.3130

### Protanopia

66.2636, 0.2987, 0.3058

### Deuteranopia

66.5502, 0.2912, 0.2851



## Tritanopia

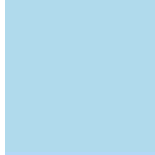
67.2847, 0.2403, 0.3059

# Trichromacy



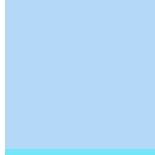
## Original Color

67.3965, 0.2420, 0.3130



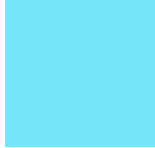
## Protanomaly

65.4290, 0.2735, 0.3079



## Deuteranomaly

65.5304, 0.2696, 0.2936



## Tritanomaly

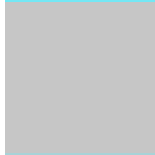
67.0909, 0.2408, 0.3082

# Monochromacy



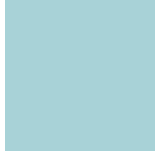
## Original Color

67.3965, 0.2420, 0.3130



## Achromatopsia

56.4712, 0.3127, 0.3290



## Achromatomaly

59.3243, 0.2800, 0.3227

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.3965, 0.2420, 0.3130 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(116, 231, 244)` looks like.

```
.text, #text, p{  
    color:rgb(116, 231, 244)  
}
```

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(116, 231, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 231, 244) }
```

## Border

The CSS property to change the border of an element to Yxy 67.3965, 0.2420, 0.3130 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(116, 231, 244) }
```

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

```
.border{ border-color:rgb(116, 231, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 231, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 231, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 231, 244);  
box-shadow:4px 4px 4px 4px rgb(116, 231,  
244) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.3965, 0.2420, 0.3130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 231, 244) }
```

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

```
.background{ background-color: rgb(116,  
231, 244) }
```

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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