

# Converting Colors

$Yxy(66.5834, 0.2427, 0.3071)$

Have a look what the booklet for  
Yxy(66.5834, 0.2427, 0.3071)  
contains.

<b>Yxy(66.2782, 0.2427, 0.3070)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(66.2782, 0.2427, 0.3070)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7AE4F6
RGB	122, 228, 246
RGB Percent	48%, 89%, 96%
CMY	0.5218, 0.1058, 0.0353
CMYK	0.50, 0.07, 0.00, 0.04
HSL	189°, 87%, 72%
HSV	189°, 50%, 96%
XYZ	52.3965, 66.2782, 97.2152
YIQ	198.3580, -68.9540, -16.8740

# Conversions

## Conversions Part 2

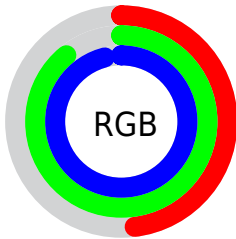
Format	Color
R <sub>Y</sub> B	122, 179, 246
Decimal	8054006
CIE Lab	85.14, -25.96, -18.21
CIE LCh	85, 31.713, 215.041
Yxy	66.2782, 0.2427, 0.3070
Android (android.graphics.Color)	4286244086 (0xFF7AE4F6)
YUV	198.3580, 23.4875, -66.9660
Hunter-Lab	81.4114, -27.5872, -13.8115

# Details

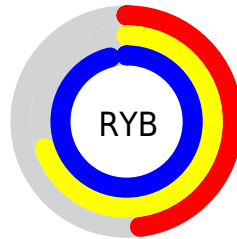
The Yxy color **66.2782, 0.2427, 0.3070** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **39.7296, 0.4464, 0.3485**, and the grayscale version is **56.5796, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6851, 0.2711, 0.3289**, and **34.1223, 0.2265, 0.2997** is the 20% darker color. If you saturate the color by 10%, you get **62.7657, 0.2327, 0.3019**, and if you desaturate by 10%, it is **70.2906, 0.2544, 0.3119**.

# Distribution



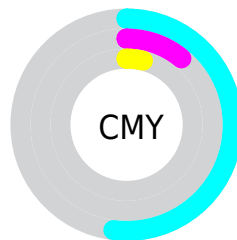
- Red (48%)
- Green (89%)
- Blue (96%)



- Red (48%)
- Yellow (70%)
- Blue (96%)



- Cyan (50%)
- Magenta (7%)
- Yellow (0%)
- Black (4%)




- Cyan (52%)
- Magenta (11%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.2782, 0.2427, 0.3070 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 66.2782, 0.2427, 0.3070 by changing the saturation by 10% instead.





 66.2782, 0.2427,  
0.3070


 66.2782, 0.2427,  
0.3070


447.3712, 0.2747,  
0.3182


 48.4983, 0.2355,  
0.3042

 113.8855, 0.2537,  
0.3111

 34.2216, 0.2267,  
0.3007


 144.4817, 0.2580,  
0.3126

 23.0639, 0.2158,  
0.2960


 180.1188, 0.2617,  
0.3139

 14.6407, 0.2017,  
0.2896

221.1811, 0.2650,  
0.3150

 8.5676, 0.1831,  
0.2805

268.0532, 0.2679,  
0.3159

 4.4603, 0.1575,  
0.2665

321.1192, 0.2704,

 1.9342, 0.1212,

0.3168

0.2431

380.7638, 0.2727,  
0.3175

■ 0.5688, 0.0000,  
0.2038

■ 0.0000, 0.0000,  
0.0000

■ 66.2782, 0.2427,  
0.3070

■ 66.2782, 0.2427,  
0.3070

■ 62.7657, 0.2327,  
0.3019

■ 70.2906, 0.2544,  
0.3119

■ 59.7101, 0.2246,  
0.2967


■ 74.8268, 0.2675,  
0.3166

■ 57.0738, 0.2184,  
0.2915

■ 79.9181, 0.2816,  
0.3210

■ 54.8086, 0.2141,  
0.2864


■ 85.5911, 0.2966,  
0.3251

 52.9131, 0.2115,  
0.2815

 91.8707, 0.3120,  
0.3288

 95.9175, 0.3183,  
0.3323

 98.1477, 0.3181,  
0.3357

 99.4335, 0.3179,  
0.3376

# Harmonies

## Analogous

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



66.2782, 0.2615, 0.3448



66.2782, 0.2427, 0.3070



66.2782, 0.2413, 0.2788

# Triad

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



66.2782, 0.2427, 0.3070



66.2782, 0.3279, 0.2849



66.2782, 0.3685, 0.3952

# Complementary

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



66.2782, 0.2427, 0.3070



39.7296, 0.4464, 0.3485

# 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.



66.2782, 0.3891, 0.3738



66.2782, 0.2427, 0.3070



66.2782, 0.3653, 0.3115

# Square

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



66.2782, 0.2427, 0.3070



66.2782, 0.2884, 0.2684



66.2782, 0.3882, 0.3433



66.2782, 0.3335, 0.3988

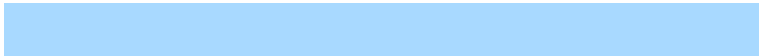


# Rectangle

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



66.2782, 0.2427, 0.3070



66.2782, 0.2502, 0.2683



66.2782, 0.3882, 0.3433



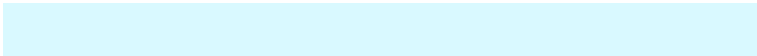
66.2782, 0.3774, 0.3897

# Sweetspot

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



66.2807, 0.2427, 0.3070



89.9667, 0.2896, 0.3233



71.8910, 0.2976, 0.4693



18.9802, 0.2865, 0.3224



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

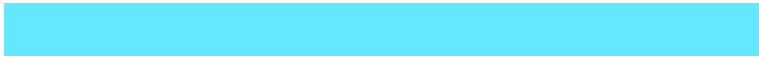


# Same Dimension

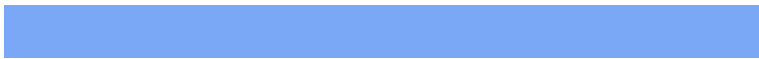
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.2807, 0.2427, 0.3070



67.8661, 0.2321, 0.3016



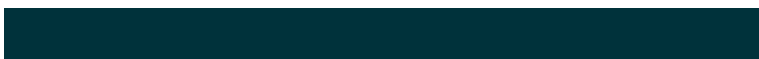
38.5813, 0.2271, 0.2273



18.3243, 0.2980, 0.3255



28.4051, 0.2118, 0.2823



2.6061, 0.2136, 0.2888



# Inverse Universe

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



39.0988, 0.3352, 0.2223



36.1211, 0.3412, 0.2041



62.5404, 0.4098, 0.4114



16.7246, 0.3160, 0.3090



12.9669, 0.3613, 0.1764

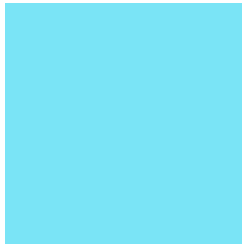


1.1507, 0.3555, 0.1732



# Previews

## White Background



This preview shows how the Yxy color 66.2782, 0.2427, 0.3070 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

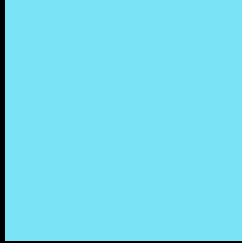
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.2782, 0.2427, 0.3070 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 66.2782, 0.2427, 0.3070**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.2782, 0.2427, 0.3070.

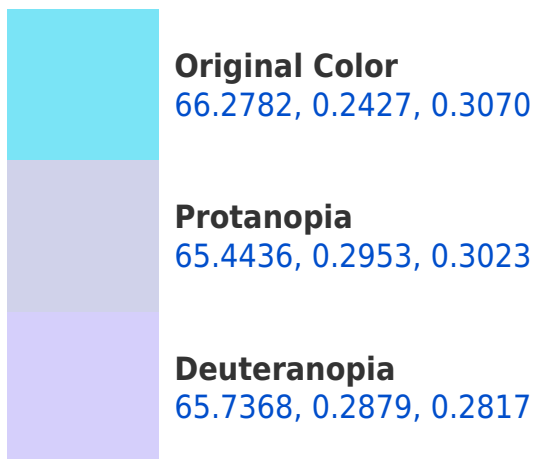


This preview shows how white text looks on a background with the Yxy color 66.2782, 0.2427, 0.3070.

# 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





## Tritanopia

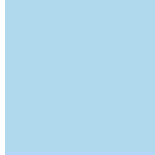
66.2782, 0.2427, 0.3070

# Trichromacy



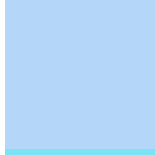
## Original Color

66.2782, 0.2427, 0.3070



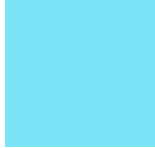
## Protanomaly

65.1459, 0.2729, 0.3045



## Deuteranomaly

65.1437, 0.2684, 0.2903



## Tritanomaly

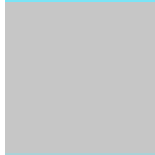
66.2782, 0.2427, 0.3070

# Monochromacy



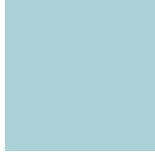
## Original Color

66.2782, 0.2427, 0.3070



## Achromatopsia

56.4712, 0.3127, 0.3290



## Achromatomaly

59.0533, 0.2812, 0.3215

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.2782, 0.2427, 0.3070 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(122, 228, 246)` looks like.

```
.text, #text, p{  
    color:rgb(122, 228, 246)  
}
```

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(122, 228, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 228, 246) }
```

## Border

The CSS property to change the border of an element to Yxy 66.2782, 0.2427, 0.3070 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(122, 228, 246) }
```

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

```
.border{ border-color:rgb(122, 228, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 228, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 228, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 228, 246);  
box-shadow:4px 4px 4px 4px rgb(122, 228,  
246) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.2782, 0.2427, 0.3070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 228, 246) }
```

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

```
.background{ background-color: rgb(122,  
228, 246) }
```

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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