

# Converting Colors

$Yxy(62.6659, 0.2357, 0.3050)$

Have a look what the booklet for  
Yxy(62.6659, 0.2357, 0.3050)  
contains.

<b>Yxy(62.6659, 0.2357, 0.3050)</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(62.6659, 0.2357, 0.3050)**

# Conversions

## Conversions Part 1

Format	Color
Hex	67E0F3
RGB	103, 224, 243
RGB Percent	40%, 88%, 95%
CMY	0.5962, 0.1216, 0.0469
CMYK	0.58, 0.08, 0.00, 0.05
HSL	188°, 85%, 68%
HSV	188°, 58%, 95%
XYZ	48.4274, 62.6659, 94.3687
YIQ	189.9870, -78.2150, -19.7430

# Conversions

## Conversions Part 2

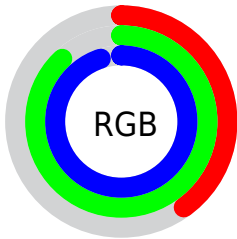
Format	Color
<a href="#">RYB</a>	103, 168, 243
Decimal	6807795
CIELab	83.27, -28.52, -19.54
CIElCh	83, 34.571, 214.412
Yxy	62.6659, 0.2357, 0.3050
Android (android.graphics.Color)	4284997875 (0xFF67E0F3)
YUV	189.9870, 26.1354, -76.2876
Hunter-Lab	79.1618, -29.3354, -15.2663

# Details

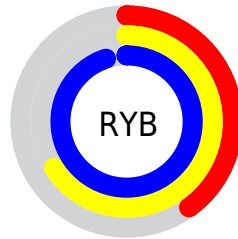
The Yxy color **62.6659, 0.2357, 0.3050** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.9581, 0.4768, 0.3491**, and the grayscale version is **51.3612, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7393, 0.2628, 0.3289**, and **31.7525, 0.2177, 0.2969** is the 20% darker color. If you saturate the color by 10%, you get **59.6764, 0.2272, 0.3002**, and if you desaturate by 10%, it is **66.1120, 0.2461, 0.3097**.

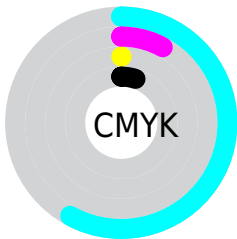
# Distribution



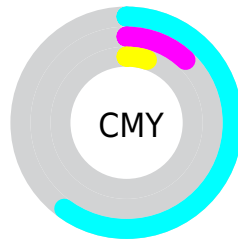
- Red (40%)
- Green (88%)
- Blue (95%)



- Red (40%)
- Yellow (66%)
- Blue (95%)



- Cyan (58%)
- Magenta (8%)
- Yellow (0%)
- Black (5%)




- Cyan (60%)
- Magenta (12%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.6659, 0.2357, 0.3050 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 62.6659, 0.2357, 0.3050 by changing the saturation by 10% instead.




 62.6659, 0.2357,  
0.3050

 62.6659, 0.2357,  
0.3050


434.3560, 0.2711,  
0.3174

 45.5710, 0.2277,  
0.3019

 108.6874, 0.2479,  
0.3096

 31.9074, 0.2179,  
0.2978

 138.3827, 0.2527,  
0.3112

 21.2908, 0.2057,  
0.2925


 173.0470, 0.2568,  
0.3127

 13.3367, 0.1900,  
0.2852

213.0645, 0.2604,  
0.3139

 7.6608, 0.1693,  
0.2745

258.8198, 0.2636,  
0.3150

 3.8787, 0.1410,  
0.2580

310.6972, 0.2664,

 1.6059, 0.1003,

0.3159

369.0811, 0.2689,  
0.3167

0.2303

0.3616, 0.0000,  
0.1532

0.0000, 0.0000,  
0.0000

62.6659, 0.2357,  
0.3050

62.6659, 0.2357,  
0.3050

59.6764, 0.2272,  
0.3002

66.1120, 0.2461,  
0.3097

57.0990, 0.2205,  
0.2953

70.0409, 0.2581,  
0.3143

54.8920, 0.2159,  
0.2905

74.4845, 0.2714,  
0.3186

52.9964, 0.2130,  
0.2857

79.4702, 0.2858,  
0.3226

■ 52.5731, 0.2124,  
0.2846

■ 85.0232, 0.3009,  
0.3264

■ 91.1671, 0.3164,  
0.3298

■ 94.3309, 0.3202,  
0.3330

■ 96.3703, 0.3200,  
0.3361

■ 98.4457, 0.3197,  
0.3393

# Harmonies

## Analogous

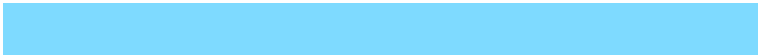
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.6659, 0.2566, 0.3473



62.6659, 0.2357, 0.3050



62.6659, 0.2339, 0.2737

# Triad

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



62.6659, 0.2357, 0.3050



62.6659, 0.3285, 0.2799



62.6659, 0.3750, 0.4020

# Complementary

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



62.6659, 0.2357, 0.3050



33.9581, 0.4768, 0.3491

# 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.



62.6659, 0.3977, 0.3775



62.6659, 0.2357, 0.3050



62.6659, 0.3703, 0.3088

# Square

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



62.6659, 0.2357, 0.3050



62.6659, 0.2848, 0.2621



62.6659, 0.3963, 0.3436



62.6659, 0.3363, 0.4071

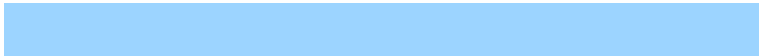


# Rectangle

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



62.6659, 0.2357, 0.3050



62.6659, 0.2433, 0.2622



62.6659, 0.3963, 0.3436



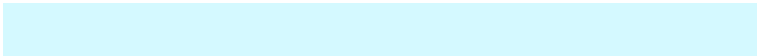
62.6659, 0.3849, 0.3955

# Sweetspot

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



62.6683, 0.2357, 0.3050



88.9838, 0.2867, 0.3229



68.4029, 0.2963, 0.4926



18.7942, 0.2837, 0.3221



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.



62.6683, 0.2357, 0.3050



66.0862, 0.2260, 0.2994



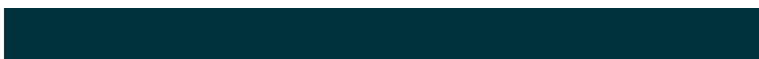
32.5721, 0.2149, 0.2097



18.3512, 0.2981, 0.3257



28.9900, 0.2126, 0.2854



2.6519, 0.2143, 0.2914



# Inverse Universe

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



34.1361, 0.3379, 0.2086



32.6337, 0.3440, 0.1920



57.5980, 0.4259, 0.4214



16.7273, 0.3159, 0.3088



13.0259, 0.3585, 0.1749

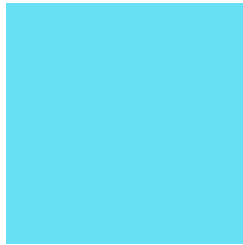


1.1553, 0.3531, 0.1719



# Previews

## White Background



This preview shows how the Yxy color 62.6659, 0.2357, 0.3050 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

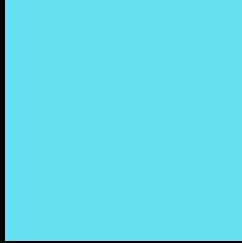
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.6659, 0.2357, 0.3050 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 62.6659, 0.2357, 0.3050**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.6659, 0.2357, 0.3050.

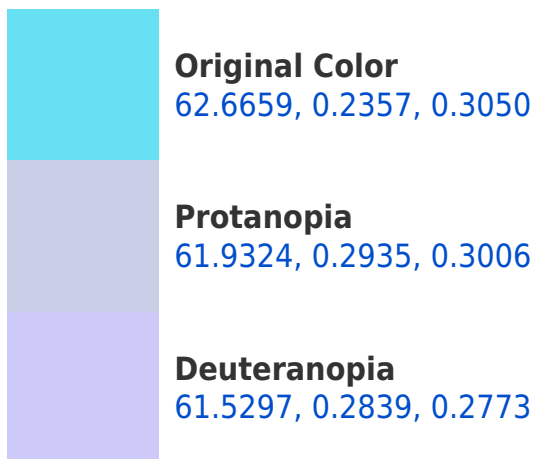


This preview shows how white text looks on a background with the Yxy color 62.6659, 0.2357, 0.3050.

# 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**

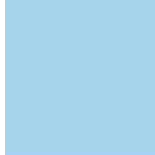
62.6057, 0.2362, 0.3063

# Trichromacy



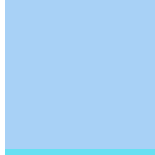
## Original Color

62.6659, 0.2357, 0.3050



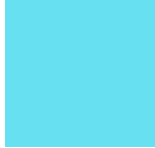
## Protanomaly

61.1921, 0.2673, 0.3014



## Deuteranomaly

60.5796, 0.2620, 0.2856



## Tritanomaly

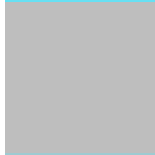
62.6057, 0.2362, 0.3063

# Monochromacy



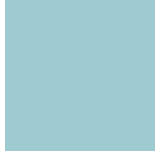
## Original Color

62.6659, 0.2357, 0.3050



## Achromatopsia

51.4918, 0.3127, 0.3290



## Achromatomaly

54.1136, 0.2763, 0.3199

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.6659, 0.2357, 0.3050 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(103, 224, 243)` looks like.

```
.text, #text, p{  
    color:rgb(103, 224, 243)  
}
```

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(103, 224, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 224, 243) }
```

## Border

The CSS property to change the border of an element to Yxy 62.6659, 0.2357, 0.3050 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(103, 224, 243) }
```

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

```
.border{ border-color:rgb(103, 224, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 224, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 224, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 224, 243);  
box-shadow:4px 4px 4px 4px rgb(103, 224,  
243) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.6659, 0.2357, 0.3050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 224, 243) }
```

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

```
.background{ background-color: rgb(103,  
224, 243) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor