

# Converting Colors

$Yxy(66.3329, 0.2614, 0.3093)$

Have a look what the booklet for  
Yxy(66.3329, 0.2614, 0.3093)  
contains.

<b>Yxy(66.2347, 0.2611, 0.3088)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(66.2347, 0.2611, 0.3088)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9DDFF0
RGB	157, 223, 240
RGB Percent	62%, 87%, 94%
CMY	0.3847, 0.1254, 0.0589
CMYK	0.35, 0.07, 0.00, 0.06
HSL	192°, 73%, 78%
HSV	192°, 35%, 94%
XYZ	56.0035, 66.2347, 92.2524
YIQ	205.2040, -44.7930, -8.7050

# Conversions

## Conversions Part 2

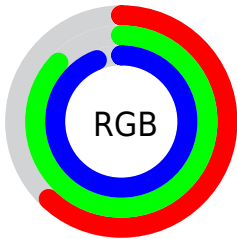
Format	Color
<a href="#">RYB</a>	<a href="#">157, 194, 240</a>
Decimal	<a href="#">10346480</a>
CIELab	<a href="#">85.12, -16.67, -14.91</a>
CIELCh	<a href="#">85, 22.366, 221.815</a>
Yxy	<a href="#">66.2347, 0.2611, 0.3088</a>
Android (android.graphics.Color)	<a href="#">4288536560 (0xFF9DDFF0)</a>
YUV	<a href="#">205.2040, 17.1544, -42.2749</a>
Hunter-Lab	<a href="#">81.3847, -19.5915, -10.2380</a>

# Details

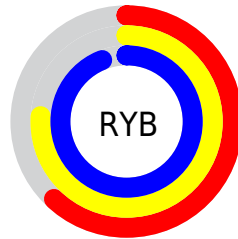
The Yxy color **66.2347, 0.2611, 0.3088** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.1700, 0.3885, 0.3481**, and the grayscale version is **61.0858, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0361, 0.2883, 0.3289**, and **34.2907, 0.2492, 0.3037** is the 20% darker color. If you saturate the color by 10%, you get **61.4781, 0.2480, 0.3020**, and if you desaturate by 10%, it is **71.5461, 0.2753, 0.3152**.

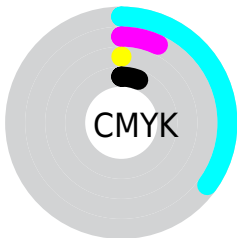
# Distribution



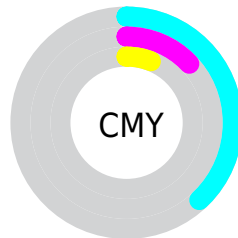
- Red (62%)
- Green (87%)
- Blue (94%)



- Red (62%)
- Yellow (76%)
- Blue (94%)



- Cyan (35%)
- Magenta (7%)
- Yellow (0%)
- Black (6%)




- Cyan (38%)
- Magenta (13%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.2347, 0.2611, 0.3088 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 66.2347, 0.2611, 0.3088 by changing the saturation by 10% instead.





 66.2347, 0.2611,  
0.3088


 66.2347, 0.2611,  
0.3088


447.2158, 0.2849,  
0.3187

 48.4630, 0.2557,  
0.3064


 113.8231, 0.2693,  
0.3124

 34.1937, 0.2490,  
0.3034


 144.4086, 0.2726,  
0.3137

 23.0424, 0.2406,  
0.2994


180.0341, 0.2753,  
0.3149

 14.6248, 0.2297,  
0.2940

221.0840, 0.2777,  
0.3159

 8.5565, 0.2150,  
0.2865

267.9427, 0.2799,  
0.3167

 4.4531, 0.1943,  
0.2749

320.9947, 0.2817,

 1.9301, 0.1632,

0.3175

0.2557

380.6242, 0.2834,  
0.3181

0.5664, 0.0518,  
0.2232

0.0000, 0.0000,  
0.0000

66.2347, 0.2611,  
0.3088

66.2347, 0.2611,  
0.3088

61.4781, 0.2480,  
0.3020

71.5461, 0.2753,  
0.3152

57.2400, 0.2363,  
0.2948

77.4308, 0.2902,  
0.3212

53.4915, 0.2262,  
0.2874

83.9157, 0.3056,  
0.3267

50.1974, 0.2180,  
0.2799

91.0237, 0.3211,  
0.3316

■ 47.3166, 0.2118,  
0.2724

■ 94.3847, 0.3221,  
0.3363

■ 44.7990, 0.2076,  
0.2649

■ 97.4277, 0.3217,  
0.3410

■ 43.5537, 0.2058,  
0.2609

■ 99.0699, 0.3215,  
0.3435

# Harmonies

## Analogous

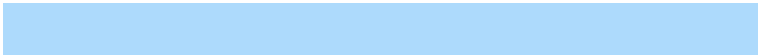
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.2347, 0.2722, 0.3343



66.2347, 0.2611, 0.3088



66.2347, 0.2630, 0.2904

# Triad

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



66.2347, 0.2611, 0.3088



66.2347, 0.3301, 0.3011



66.2347, 0.3476, 0.3775

# Complementary

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



66.2347, 0.2611, 0.3088



51.1700, 0.3885, 0.3481

# 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.



66.2347, 0.3646, 0.3657



66.2347, 0.2611, 0.3088



66.2347, 0.3544, 0.3219

# Square

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



66.2347, 0.2611, 0.3088



66.2347, 0.3018, 0.2871



66.2347, 0.3673, 0.3453



66.2347, 0.3217, 0.3757



# Rectangle

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



66.2347, 0.2611, 0.3088



66.2347, 0.2714, 0.2842



66.2347, 0.3673, 0.3453



66.2347, 0.3546, 0.3749

# Sweetspot

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



66.2373, 0.2611, 0.3088



92.2050, 0.2972, 0.3238



72.5030, 0.2988, 0.4116



19.5134, 0.2951, 0.3230



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

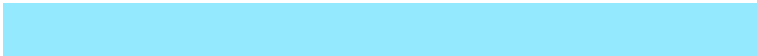


# Same Dimension

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



66.2373, 0.2611, 0.3088



71.8659, 0.2511, 0.3037



46.8339, 0.2542, 0.2571



17.3491, 0.2981, 0.3241



24.0425, 0.2062, 0.2621



2.1368, 0.2089, 0.2719



# Inverse Universe

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



47.9326, 0.3312, 0.2590



48.2999, 0.3363, 0.2441



69.5819, 0.3732, 0.3916



15.9729, 0.3169, 0.3104



12.2205, 0.3804, 0.1869

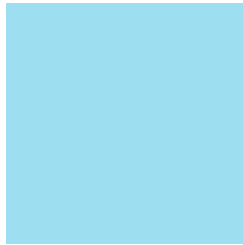


1.0304, 0.3710, 0.1817



# Previews

## White Background



This preview shows how the Yxy color 66.2347, 0.2611, 0.3088 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

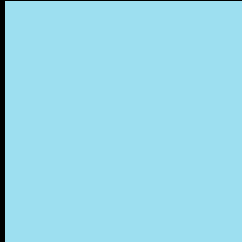
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.2347, 0.2611, 0.3088 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 66.2347, 0.2611, 0.3088**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.2347, 0.2611, 0.3088.

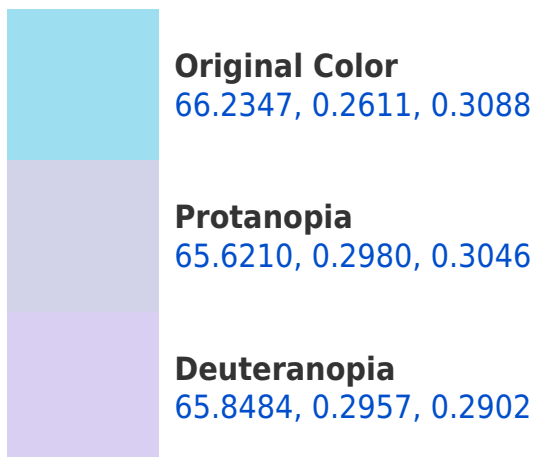


This preview shows how white text looks on a background with the Yxy color 66.2347, 0.2611, 0.3088.

# 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

66.2943, 0.2606, 0.3076

# Trichromacy



**Original Color**

66.2347, 0.2611, 0.3088

**Protanomaly**

65.6754, 0.2833, 0.3061

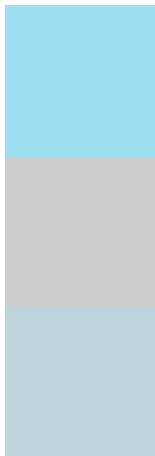
**Deuteranomaly**

65.6014, 0.2816, 0.2964

**Tritanomaly**

66.2943, 0.2606, 0.3076

# Monochromacy



**Original Color**

66.2347, 0.2611, 0.3088

**Achromatopsia**

61.0496, 0.3127, 0.3290

**Achromatomaly**

62.8403, 0.2916, 0.3219

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.2347, 0.2611, 0.3088 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(157, 223, 240)` looks like.

```
.text, #text, p{  
    color:rgb(157, 223, 240)  
}
```

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(157, 223, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 223, 240) }
```

## Border

The CSS property to change the border of an element to Yxy 66.2347, 0.2611, 0.3088 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(157, 223, 240) }
```

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

```
.border{ border-color:rgb(157, 223, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 223, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 223, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 223, 240);  
box-shadow:4px 4px 4px 4px rgb(157, 223,  
240) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.2347, 0.2611, 0.3088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 223, 240) }
```

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

```
.background{ background-color: rgb(157,  
223, 240) }
```

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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