

# Converting Colors

$Yxy(66.5192, 0.2644, 0.3076)$

Have a look what the booklet for  
Yxy(66.5192, 0.2644, 0.3076)  
contains.

<b>Yxy(66.4263, 0.2648, 0.3078)</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(66.4263, 0.2648, 0.3078)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A4DEF0
RGB	164, 222, 240
RGB Percent	64%, 87%, 94%
CMY	0.3571, 0.1293, 0.0589
CMYK	0.32, 0.07, 0.00, 0.06
HSL	194°, 72%, 79%
HSV	194°, 32%, 94%
XYZ	57.1465, 66.4263, 92.2372
YIQ	206.7100, -40.3460, -6.6980

# Conversions

## Conversions Part 2

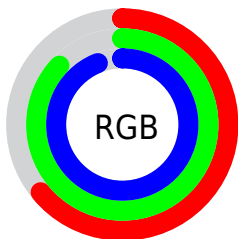
<b>Format</b>	<b>Color</b>
<b>RYB</b>	164, 197, 240
Decimal	10804976
CIELab	85.21, -14.26, -14.73
CIELCh	85, 20.502, 225.942
Yxy	66.4263, 0.2648, 0.3078
Android (android.graphics.Color)	4288995056 (0xFFA4DEF0)
YUV	206.7100, 16.4120, -37.4567
Hunter-Lab	81.5023, -17.4714, -10.0476

# Details

The Yxy color **66.4263, 0.2648, 0.3078** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.6151, 0.3792, 0.3491**, and the grayscale version is **62.1049, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **34.3493, 0.2533, 0.3024** is the 20% darker color. If you saturate the color by 10%, you get **61.1517, 0.2510, 0.3000**, and if you desaturate by 10%, it is **72.2891, 0.2795, 0.3151**.

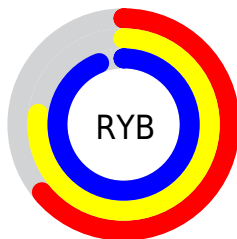
# Distribution



Red (64%)

Green (87%)

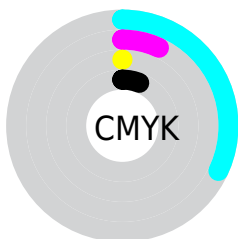
Blue (94%)



Red (64%)

Yellow (77%)

Blue (94%)

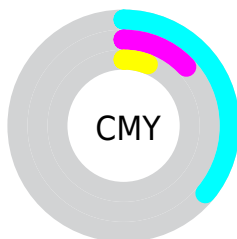


Cyan (32%)

Magenta (7%)

Yellow (0%)

Black (6%)



Cyan (36%)

Magenta (13%)

Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.4263, 0.2648, 0.3078 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 66.4263, 0.2648, 0.3078 by changing the saturation by 10% instead.



66.4263, 0.2648,  
0.3078

66.4263, 0.2648,  
0.3078

447.8999, 0.2869,  
0.3181

48.6185, 0.2598,  
0.3053

114.0980, 0.2725,  
0.3115

34.3170, 0.2536,  
0.3022

144.7307, 0.2755,  
0.3129

23.1372, 0.2457,  
0.2982

180.4072, 0.2780,  
0.3141

14.6949, 0.2355,  
0.2927

221.5118, 0.2803,  
0.3151

8.6055, 0.2218,  
0.2851

268.4290, 0.2822,  
0.3160

4.4848, 0.2023,  
0.2735

321.5432, 0.2840,

1.9483, 0.1728,

0.3168

0.2545

381.2387, 0.2855,  
0.3175

0.5772, 0.0767,  
0.2206

0.0000, 0.0000,  
0.0000

66.4263, 0.2648,  
0.3078

66.4263, 0.2648,  
0.3078

61.1517, 0.2510,  
0.3000

72.2891, 0.2795,  
0.3151

56.4293, 0.2385,  
0.2917

78.7582, 0.2947,  
0.3219

52.2308, 0.2275,  
0.2831

85.8606, 0.3101,  
0.3280

48.5218, 0.2183,  
0.2743

92.6728, 0.3223,  
0.3336

■ 45.2628, 0.2110,  
0.2655

■ 96.1503, 0.3218,  
0.3390

■ 42.4066, 0.2058,  
0.2567

■ 99.0706, 0.3215,  
0.3434

■ 40.2788, 0.2026,  
0.2494

# Harmonies

## Analogous

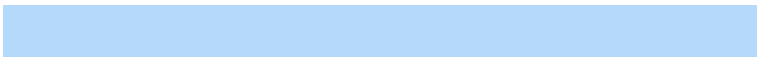
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.4263, 0.2735, 0.3306



66.4263, 0.2648, 0.3078



66.4263, 0.2682, 0.2921

# Triad

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



66.4263, 0.2648, 0.3078



66.4263, 0.3321, 0.3057



66.4263, 0.3419, 0.3740

# Complementary

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



66.4263, 0.2648, 0.3078



54.6151, 0.3792, 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.



66.4263, 0.3588, 0.3649



66.4263, 0.2648, 0.3078



66.4263, 0.3533, 0.3255

# Square

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



66.4263, 0.2648, 0.3078



66.4263, 0.3063, 0.2917



66.4263, 0.3631, 0.3469



66.4263, 0.3175, 0.3703



# Rectangle

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



66.4263, 0.2648, 0.3078



66.4263, 0.2770, 0.2872



66.4263, 0.3631, 0.3469



66.4263, 0.3486, 0.3722

# Sweetspot

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



66.4289, 0.2648, 0.3078



91.6969, 0.2972, 0.3229



73.5622, 0.2985, 0.4002



19.3899, 0.2950, 0.3220



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

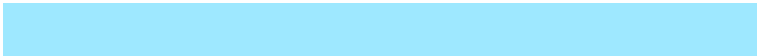


# Same Dimension

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



66.4289, 0.2648, 0.3078



72.2736, 0.2558, 0.3028



48.5449, 0.2592, 0.2610



17.2590, 0.2981, 0.3233



22.2664, 0.2030, 0.2509



2.0032, 0.2062, 0.2623



# Inverse Universe

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



50.3241, 0.3314, 0.2673



51.5802, 0.3362, 0.2548



72.2331, 0.3667, 0.3887



15.9638, 0.3174, 0.3111



12.0412, 0.3914, 0.1930

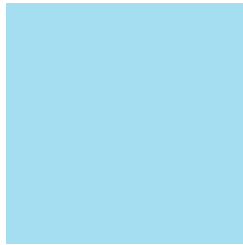


1.0169, 0.3801, 0.1868



# Previews

## White Background



This preview shows how the Yxy color 66.4263, 0.2648, 0.3078 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

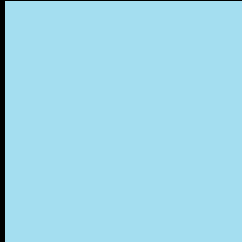
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.4263, 0.2648, 0.3078 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 66.4263, 0.2648, 0.3078**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.4263, 0.2648, 0.3078.



This preview shows how white text looks on a background with the Yxy color 66.4263, 0.2648, 0.3078.

# 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

66.4263, 0.2648, 0.3078

### Protanopia

66.1734, 0.2973, 0.3046

### Deuteranopia

66.0021, 0.2964, 0.2903



## Tritanopia

66.4263, 0.2648, 0.3078

# Trichromacy



## Original Color

66.4263, 0.2648, 0.3078

## Protanomaly

65.9945, 0.2840, 0.3051

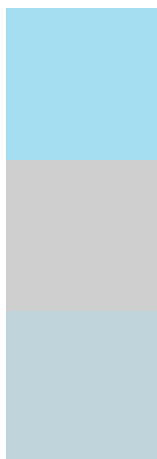
## Deuteranomaly

65.5035, 0.2835, 0.2955

## Tritanomaly

66.4263, 0.2648, 0.3078

# Monochromacy



## Original Color

66.4263, 0.2648, 0.3078

## Achromatopsia

62.3960, 0.3127, 0.3290

## Achromatomaly

63.2778, 0.2931, 0.3208

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.4263, 0.2648, 0.3078 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(164, 222, 240)` looks like.

```
.text, #text, p{  
    color:rgb(164, 222, 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(164, 222, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 222, 240) }
```

## Border

The CSS property to change the border of an element to Yxy 66.4263, 0.2648, 0.3078 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(164, 222, 240) }
```

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

```
.border{ border-color:rgb(164, 222, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 222, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 222, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 222, 240);  
box-shadow:4px 4px 4px 4px rgb(164, 222,  
240) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.4263, 0.2648, 0.3078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 222, 240) }
```

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

```
.background{ background-color: rgb(164,  
222, 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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