

# Converting Colors

$Yxy(66.1146, 0.2643, 0.3145)$

Have a look what the booklet for  
Yxy(66.1146, 0.2643, 0.3145)  
contains.

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# Color

**Yxy(66.0426, 0.2643, 0.3146)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9EDFEB
RGB	158, 223, 235
RGB Percent	62%, 87%, 92%
CMY	0.3803, 0.1255, 0.0785
CMYK	0.33, 0.05, 0.00, 0.08
HSL	189°, 66%, 77%
HSV	189°, 33%, 92%
XYZ	55.4833, 66.0426, 88.3997
YIQ	204.9330, -42.5920, -10.0480

# Conversions

## Conversions Part 2

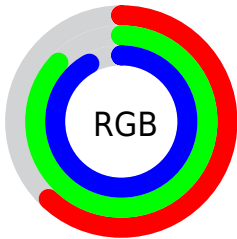
Format	Color
<a href="#">RYB</a>	158, 193, 235
Decimal	10412011
CIELab	85.02, -17.55, -12.41
CIElCh	85, 21.493, 215.263
Yxy	66.0426, 0.2643, 0.3146
Android (android.graphics.Color)	4288602091 (0xFF9EDFEB)
YUV	204.9330, 14.8230, -41.1602
Hunter-Lab	81.2666, -20.3488, -7.6075

# Details

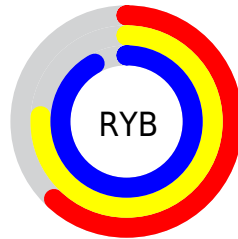
The Yxy color **66.0426, 0.2643, 0.3146** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.8744, 0.3843, 0.3428**, and the grayscale version is **60.9333, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1871, 0.2889, 0.3289**, and **34.1435, 0.2529, 0.3114** is the 20% darker color. If you saturate the color by 10%, you get **61.9531, 0.2514, 0.3095**, and if you desaturate by 10%, it is **70.6351, 0.2783, 0.3194**.

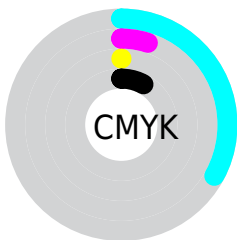
# Distribution



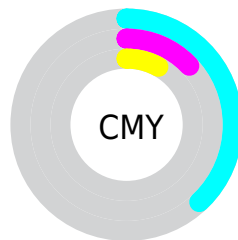
- Red (62%)
- Green (87%)
- Blue (92%)



- Red (62%)
- Yellow (76%)
- Blue (92%)



- Cyan (33%)
- Magenta (5%)
- Yellow (0%)
- Black (8%)



- Cyan (38%)
- Magenta (13%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.0426, 0.2643, 0.3146 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 66.0426, 0.2643, 0.3146 by changing the saturation by 10% instead.



66.0426, 0.2643,  
0.3146

66.0426, 0.2643,  
0.3146

446.5292, 0.2867,  
0.3218

48.3070, 0.2592,  
0.3128

113.5475, 0.2721,  
0.3172

34.0701, 0.2529,  
0.3106

144.0855, 0.2751,  
0.3182

22.9474, 0.2449,  
0.3076

179.6598, 0.2777,  
0.3190

14.5547, 0.2346,  
0.3036

220.6548, 0.2800,  
0.3197

8.5075, 0.2205,  
0.2978

267.4548, 0.2820,  
0.3203

4.4213, 0.2006,  
0.2888

320.4443, 0.2837,

1.9119, 0.1703,

0.3209

380.0077, 0.2853,  
0.3214

0.2733

0.5555, 0.0448,  
0.2500

0.0000, 0.0000,  
0.0000

66.0426, 0.2643,  
0.3146

66.0426, 0.2643,  
0.3146

61.9531, 0.2514,  
0.3095

70.6351, 0.2783,  
0.3194

58.3324, 0.2400,  
0.3042


75.7469, 0.2931,  
0.3239


55.1541, 0.2303,  
0.2987

81.4032, 0.3085,  
0.3279

52.3860, 0.2224,  
0.2931

87.6252, 0.3240,  
0.3316

 49.9905, 0.2165,  
0.2875

 90.3332, 0.3257,  
0.3352

 47.9227, 0.2125,  
0.2819

 92.5224, 0.3253,  
0.3387

 46.5774, 0.2106,  
0.2780

 94.7553, 0.3250,  
0.3422

 97.0321, 0.3247,  
0.3457

 98.7767, 0.3244,  
0.3483

# Harmonies

## Analogous

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



66.0426, 0.2776, 0.3398



66.0426, 0.2643, 0.3146



66.0426, 0.2633, 0.2950

# Triad

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



66.0426, 0.2643, 0.3146



66.0426, 0.3236, 0.2985



66.0426, 0.3509, 0.3742

# Complementary

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



66.0426, 0.2643, 0.3146



48.8744, 0.3843, 0.3428

# 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.



66.0426, 0.3645, 0.3606



66.0426, 0.2643, 0.3146



66.0426, 0.3485, 0.3175

# Square

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



66.0426, 0.2643, 0.3146



66.0426, 0.2966, 0.2868



66.0426, 0.3637, 0.3399



66.0426, 0.3272, 0.3755



# Rectangle

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



66.0426, 0.2643, 0.3146



66.0426, 0.2697, 0.2873



66.0426, 0.3637, 0.3399



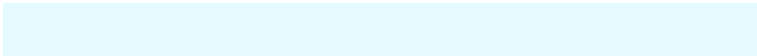
66.0426, 0.3568, 0.3708

# Sweetspot

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



66.0452, 0.2643, 0.3146



92.9754, 0.2972, 0.3250



69.5591, 0.3017, 0.4113



19.7009, 0.2951, 0.3244



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

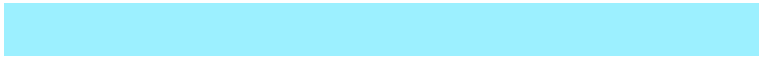


# Same Dimension

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



66.0452, 0.2643, 0.3146



76.2864, 0.2559, 0.3114



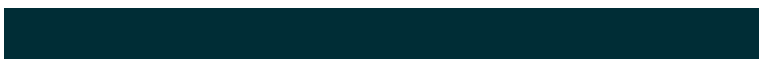
47.9477, 0.2583, 0.2667



16.6995, 0.2981, 0.3252



26.0831, 0.2108, 0.2788



2.1557, 0.2129, 0.2865



# Inverse Universe

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



47.4473, 0.3267, 0.2592



51.1495, 0.3301, 0.2457



65.2590, 0.3708, 0.3841



15.2712, 0.3162, 0.3093



12.1259, 0.3645, 0.1782

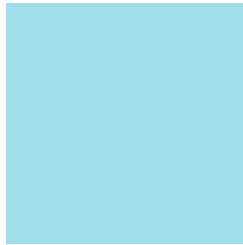


0.9630, 0.3575, 0.1743



# Previews

## White Background



This preview shows how the Yxy color 66.0426, 0.2643, 0.3146 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

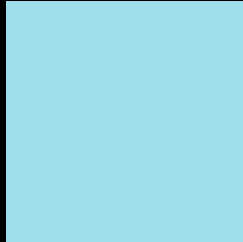
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.0426, 0.2643, 0.3146 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 66.0426, 0.2643, 0.3146**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.0426, 0.2643, 0.3146.

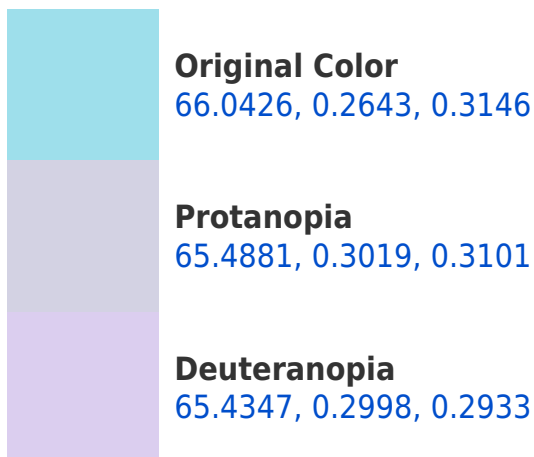


This preview shows how white text looks on a background with the Yxy color 66.0426, 0.2643, 0.3146.

# 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

65.9048, 0.2621, 0.3076

# Trichromacy



## Original Color

66.0426, 0.2643, 0.3146

## Protanomaly

65.5205, 0.2870, 0.3117

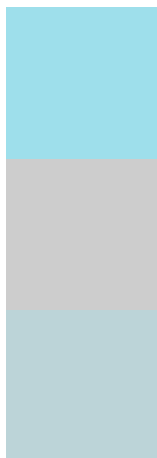
## Deuteranomaly

65.1303, 0.2853, 0.2997

## Tritanomaly

65.7865, 0.2631, 0.3099

# Monochromacy



## Original Color

66.0426, 0.2643, 0.3146

## Achromatopsia

61.0496, 0.3127, 0.3290

## Achromatomaly

62.7362, 0.2929, 0.3242

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.0426, 0.2643, 0.3146 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(158, 223, 235)` looks like.

```
.text, #text, p{  
    color:rgb(158, 223, 235)  
}
```

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(158, 223, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 223, 235) }
```

## Border

The CSS property to change the border of an element to Yxy 66.0426, 0.2643, 0.3146 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(158, 223, 235) }
```

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

```
.border{ border-color:rgb(158, 223, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 223, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 223, 235); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 223, 235); box-shadow:4px 4px 4px 4px rgb(158, 223, 235) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.0426, 0.2643, 0.3146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 223, 235) }
```

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

```
.background{ background-color: rgb(158,  
223, 235) }
```

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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