

# Converting Colors

Yxy(66.0841, 0.2799, 0.3216)

Have a look what the booklet for  
Yxy(66.0841, 0.2799, 0.3216)  
contains.

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# Color

**Yxy(66.0245, 0.2801, 0.3218)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1DCE2
RGB	177, 220, 226
RGB Percent	69%, 86%, 89%
CMY	0.3055, 0.1373, 0.1137
CMYK	0.22, 0.03, 0.00, 0.11
HSL	187°, 46%, 79%
HSV	187°, 22%, 89%
XYZ	57.4688, 66.0245, 81.6792
YIQ	207.8270, -27.5540, -7.2500

# Conversions

## Conversions Part 2

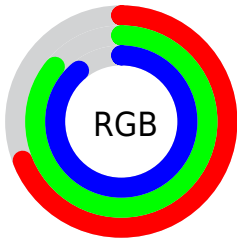
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	177, 200, 226
Decimal	11656418
CIE Lab	85.01, -12.58, -7.57
CIE LCh	85, 14.686, 211.034
Yxy	66.0245, 0.2801, 0.3218
Android (android.graphics.Color)	4289846498 (0xFFB1DCE2)
YUV	207.8270, 8.9593, -27.0353
Hunter-Lab	81.2555, -15.9510, -2.7203

# Details

The Yxy color **66.0245, 0.2801, 0.3218** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.2686, 0.3550, 0.3361**, and the grayscale version is **62.9252, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **34.0615, 0.2718, 0.3195** is the 20% darker color. If you saturate the color by 10%, you get **62.1363, 0.2662, 0.3181**, and if you desaturate by 10%, it is **70.3822, 0.2948, 0.3253**.

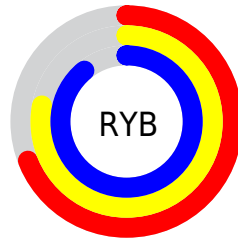
# Distribution



Red (69%)

Green (86%)

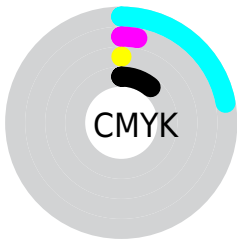
Blue (89%)



Red (69%)

Yellow (78%)

Blue (89%)

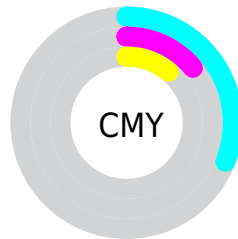


Cyan (22%)

Magenta (3%)

Yellow (0%)

Black (11%)



Cyan (31%)

Magenta (14%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.0245, 0.2801, 0.3218 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 66.0245, 0.2801, 0.3218 by changing the saturation by 10% instead.





 66.0245, 0.2801,  
0.3218

 66.0245, 0.2801,  
0.3218


446.4645, 0.2953,  
0.3254

 48.2923, 0.2766,  
0.3209


 113.5215, 0.2854,  
0.3231

 34.0584, 0.2723,  
0.3198

144.0551, 0.2875,  
0.3236

 22.9385, 0.2667,  
0.3183


179.6246, 0.2892,  
0.3240

 14.5481, 0.2595,  
0.3163

220.6144, 0.2908,  
0.3244

 8.5028, 0.2496,  
0.3133

267.4089, 0.2921,  
0.3247

 4.4184, 0.2351,  
0.3087

320.3924, 0.2933,

 1.9102, 0.2124,

0.3249

0.3006

379.9495, 0.2944,  
0.3252

0.5545, 0.1147,  
0.2892

0.0000, 0.0000,  
0.0000

66.0245, 0.2801,  
0.3218

66.0245, 0.2801,  
0.3218

62.1363, 0.2662,  
0.3181

70.3822, 0.2948,  
0.3253

58.6876, 0.2535,  
0.3141

75.2214, 0.3102,  
0.3285

55.6577, 0.2423,  
0.3099

80.5640, 0.3258,  
0.3314

53.0207, 0.2328,  
0.3056

83.9799, 0.3326,  
0.3341

■ 50.7476, 0.2252,  
0.3013

■ 85.5544, 0.3322,  
0.3369

■ 48.8053, 0.2195,  
0.2969

■ 87.1538, 0.3319,  
0.3396

■ 47.1539, 0.2157,  
0.2926

■ 88.7784, 0.3316,  
0.3423

■ 45.9429, 0.2136,  
0.2891

■ 90.4282, 0.3312,  
0.3450

■ 92.1032, 0.3309,  
0.3477

# Harmonies

## Analogous

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



66.0245, 0.2906, 0.3388



66.0245, 0.2801, 0.3218



66.0245, 0.2781, 0.3074

# Triad

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



66.0245, 0.2801, 0.3218



66.0245, 0.3177, 0.3063



66.0245, 0.3407, 0.3591

# Complementary

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



66.0245, 0.2801, 0.3218



53.2686, 0.3550, 0.3361

# 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.



66.0245, 0.3485, 0.3493



66.0245, 0.2801, 0.3218



66.0245, 0.3350, 0.3191

# Square

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



66.0245, 0.2801, 0.3218



66.0245, 0.2994, 0.2991



66.0245, 0.3465, 0.3347



66.0245, 0.3254, 0.3609



# Rectangle

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



66.0245, 0.2801, 0.3218



66.0245, 0.2818, 0.3012



66.0245, 0.3465, 0.3347



66.0245, 0.3443, 0.3566

# Sweetspot

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



66.0272, 0.2801, 0.3218



96.0145, 0.3034, 0.3271



67.1712, 0.3064, 0.3819



20.4613, 0.3024, 0.3269



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.



66.0272, 0.2801, 0.3218



84.4127, 0.2737, 0.3201



54.2601, 0.2780, 0.2924



15.2686, 0.2982, 0.3260



26.3247, 0.2138, 0.2897



1.9068, 0.2157, 0.2963



# Inverse Universe

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



52.8180, 0.3200, 0.2816



64.2306, 0.3218, 0.2715



64.1028, 0.3494, 0.3631



13.9050, 0.3157, 0.3087



11.5655, 0.3546, 0.1727

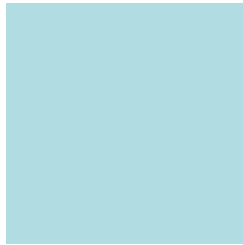


0.8100, 0.3487, 0.1694



# Previews

## White Background



This preview shows how the Yxy color 66.0245, 0.2801, 0.3218 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

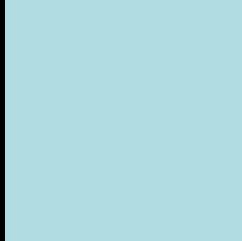
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.0245, 0.2801, 0.3218 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

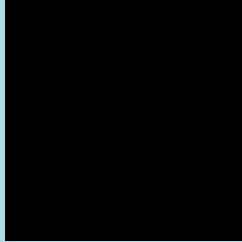
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

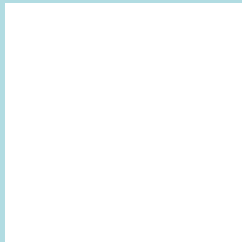
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 66.0245, 0.2801, 0.3218**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.0245, 0.2801, 0.3218.

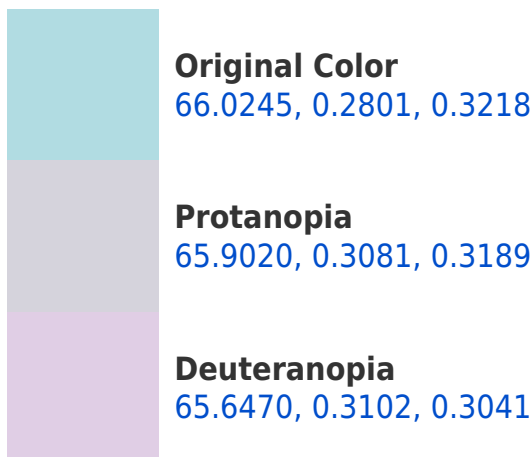


This preview shows how white text looks on a background with the Yxy color 66.0245, 0.2801, 0.3218.

# 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

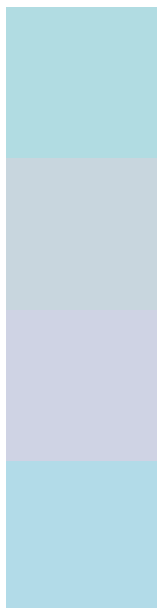




## Tritanopia

65.7826, 0.2754, 0.3081

# Trichromacy



## Original Color

66.0245, 0.2801, 0.3218

## Protanomaly

65.6464, 0.2974, 0.3198

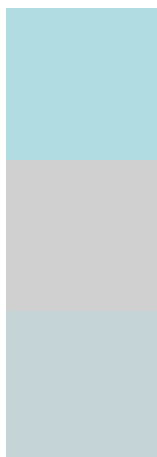
## Deuteranomaly

65.4554, 0.2984, 0.3099

## Tritanomaly

65.9542, 0.2771, 0.3137

# Monochromacy



## Original Color

66.0245, 0.2801, 0.3218

## Achromatopsia

63.0757, 0.3127, 0.3290

## Achromatomaly

63.8636, 0.2999, 0.3255

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.0245, 0.2801, 0.3218 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(177, 220, 226)` looks like.

```
.text, #text, p{  
    color:rgb(177, 220, 226)  
}
```

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(177, 220, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 220, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 66.0245, 0.2801, 0.3218 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(177, 220, 226) }
```

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

```
.border{ border-color:rgb(177, 220, 226) }
```

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

Here you see how a box with a 4 pixel rgb(177, 220, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 220, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 220, 226);  
box-shadow:4px 4px 4px 4px rgb(177, 220,  
226) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.0245, 0.2801, 0.3218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 220, 226) }
```

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

```
.background{ background-color: rgb(177,  
220, 226) }
```

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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