

# Converting Colors

$Yxy(66.4007, 0.2940, 0.3387)$

Have a look what the booklet for  
Yxy(66.4007, 0.2940, 0.3387)  
contains.

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# Color

**Yxy(66.2542, 0.2936, 0.3384)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B9DCD4
RGB	185, 220, 212
RGB Percent	73%, 86%, 83%
CMY	0.2745, 0.1372, 0.1686
CMYK	0.16, 0.00, 0.04, 0.14
HSL	166°, 33%, 79%
HSV	166°, 16%, 86%
XYZ	57.4830, 66.2542, 72.0495
YIQ	208.6230, -18.2920, -9.9080

# Conversions

## Conversions Part 2

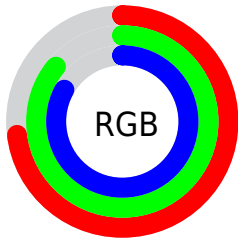
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	185, 205, 220
Decimal	12180692
CIE Lab	85.13, -13.05, 0.07
CIE LCh	85, 13.053, 179.681
Yxy	66.2542, 0.2936, 0.3384
Android (android.graphics.Color)	4290370772 (0xFFB9DCD4)
YUV	208.6230, 1.6649, -20.7174
Hunter-Lab	81.3967, -16.3861, 4.4963

# Details

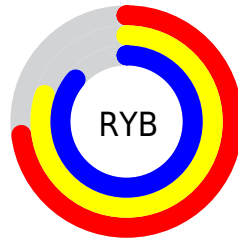
The Yxy color **66.2542, 0.2936, 0.3384** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.7605, 0.3361, 0.3198**, and the grayscale version is **63.5006, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4408, 0.3041, 0.3290**, and **34.1699, 0.2889, 0.3416** is the 20% darker color. If you saturate the color by 10%, you get **63.4795, 0.2824, 0.3451**, and if you desaturate by 10%, it is **69.4657, 0.3055, 0.3323**.

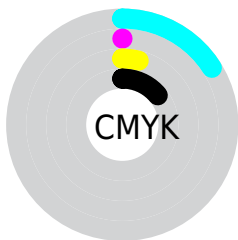
# Distribution



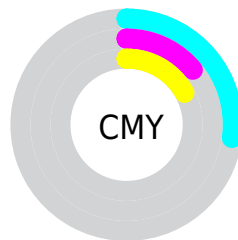
- Red (73%)
- Green (86%)
- Blue (83%)



- Red (73%)
- Yellow (80%)
- Blue (86%)



- Cyan (16%)
- Magenta (0%)
- Yellow (4%)
- Black (14%)




- Cyan (27%)
- Magenta (14%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.2542, 0.2936, 0.3384 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 66.2542, 0.2936, 0.3384 by changing the saturation by 10% instead.




 66.2542, 0.2936,  
0.3384

 66.2542, 0.2936,  
0.3384


447.2854, 0.3026,  
0.3340

 48.4788, 0.2915,  
0.3394


 113.8511, 0.2968,  
0.3369

 34.2062, 0.2889,  
0.3407


144.4414, 0.2980,  
0.3363

 23.0521, 0.2856,  
0.3423

180.0721, 0.2990,  
0.3357

 14.6319, 0.2812,  
0.3445

221.1276, 0.2999,  
0.3353

 8.5615, 0.2750,  
0.3475

267.9922, 0.3007,  
0.3349

 4.4563, 0.2660,  
0.3520

321.0505, 0.3014,

 1.9319, 0.2512,

0.3346

0.3592

380.6868, 0.3020,  
0.3343

■ 0.5675, 0.1575,  
0.4051

■ 0.0000, 0.0000,  
0.0000

■ 66.2542, 0.2936,  
0.3384

■ 66.2542, 0.2936,  
0.3384

■ 63.4795, 0.2824,  
0.3451

■ 69.4657, 0.3055,  
0.3323

■ 61.1139, 0.2722,  
0.3522


■ 73.1239, 0.3178,  
0.3268

■ 59.1391, 0.2633,  
0.3599


■ 77.2487, 0.3303,  
0.3219


■ 57.5321, 0.2560,  
0.3679


■ 78.2826, 0.3297,  
0.3170

 56.2679, 0.2504,  
0.3762


 78.5726, 0.3262,  
0.3121

 55.3177, 0.2468,  
0.3847


 78.8708, 0.3228,  
0.3072

 54.6483, 0.2452,  
0.3932

 79.1773, 0.3195,  
0.3024

 54.2187, 0.2454,  
0.4016

 79.4922, 0.3161,  
0.2976

 54.0826, 0.2459,  
0.4051

 79.6700, 0.3143,  
0.2950

# Harmonies

## Analogous

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



66.2542, 0.3084, 0.3510



66.2542, 0.2936, 0.3384



66.2542, 0.2840, 0.3233

# Triad

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



66.2542, 0.2936, 0.3384



66.2542, 0.3002, 0.3022



66.2542, 0.3446, 0.3466

# Complementary

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



66.2542, 0.2936, 0.3384



53.7605, 0.3361, 0.3198

# 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.



66.2542, 0.3423, 0.3335



66.2542, 0.2936, 0.3384



66.2542, 0.3164, 0.3083

# Square

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



66.2542, 0.2936, 0.3384



66.2542, 0.2877, 0.3028



66.2542, 0.3319, 0.3196



66.2542, 0.3380, 0.3555



# Rectangle

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



66.2542, 0.2936, 0.3384



66.2542, 0.2816, 0.3142



66.2542, 0.3319, 0.3196



66.2542, 0.3448, 0.3425

# Sweetspot

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



66.2570, 0.2936, 0.3384



97.4753, 0.3065, 0.3318



66.0511, 0.3166, 0.3709



20.7905, 0.3057, 0.3322



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

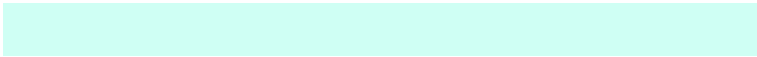


# Same Dimension

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



66.2570, 0.2936, 0.3384



91.2481, 0.2899, 0.3405



61.9051, 0.2883, 0.3179



14.7760, 0.3012, 0.3344



31.7560, 0.2455, 0.4038



2.0700, 0.2417, 0.3900



# Inverse Universe

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



53.7605, 0.3361, 0.3198



70.7099, 0.3418, 0.3178



57.4490, 0.3410, 0.3399



13.1000, 0.3256, 0.3237



9.0805, 0.5985, 0.3071

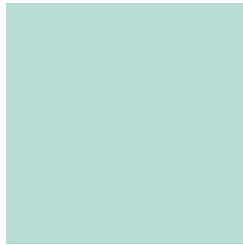


0.6015, 0.5522, 0.2816



# Previews

## White Background



This preview shows how the Yxy color 66.2542, 0.2936, 0.3384 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

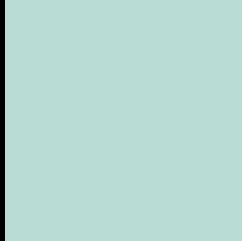
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.2542, 0.2936, 0.3384 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

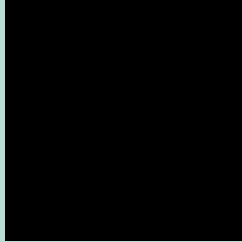
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

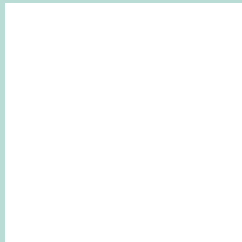
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 66.2542, 0.2936, 0.3384**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.2542, 0.2936, 0.3384.

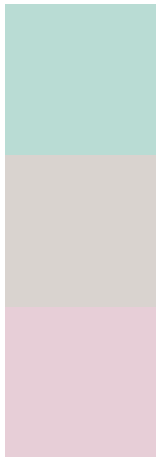


This preview shows how white text looks on a background with the Yxy color 66.2542, 0.2936, 0.3384.

# 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**

66.2542, 0.2936, 0.3384

**Protanopia**

65.8452, 0.3200, 0.3335

**Deuteranopia**

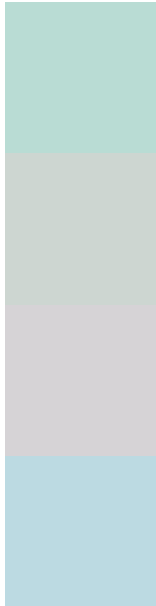
66.0378, 0.3254, 0.3193



## Tritanopia

66.3850, 0.2828, 0.3095

# Trichromacy



## Original Color

66.2542, 0.2936, 0.3384

## Protanomaly

65.6757, 0.3095, 0.3347

## Deuteranomaly

65.7397, 0.3129, 0.3256

## Tritanomaly

66.3252, 0.2870, 0.3197

# Monochromacy



## Original Color

66.2542, 0.2936, 0.3384

## Achromatopsia

63.7597, 0.3127, 0.3290

## Achromatomaly

64.5210, 0.3053, 0.3325

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.2542, 0.2936, 0.3384 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(185, 220, 212)` looks like.

```
.text, #text, p{  
    color:rgb(185, 220, 212)  
}
```

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(185, 220, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 220, 212) }
```

## Border

The CSS property to change the border of an element to Yxy 66.2542, 0.2936, 0.3384 is called "border". The border property can be set on classes, ids or directly on the HTML element.

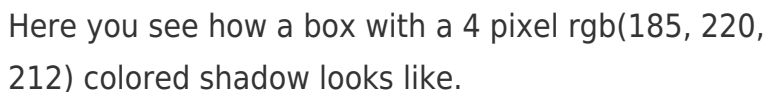
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(185, 220, 212) }
```

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

```
.border{ border-color:rgb(185, 220, 212) }
```

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



Here you see how a box with a 4 pixel `rgb(185, 220, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(185, 220, 212); -webkit-box-shadow:4px 4px 4px 4px rgb(185, 220, 212); box-shadow:4px 4px 4px 4px rgb(185, 220, 212) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.2542, 0.2936, 0.3384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 220, 212) }
```

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

```
.background{ background-color: rgb(185,  
220, 212) }
```

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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