

# Converting Colors

$Yxy(65.1146, 0.2948, 0.3408)$

Have a look what the booklet for  
Yxy(65.1146, 0.2948, 0.3408)  
contains.

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# Color

**Yxy(64.9366, 0.2947, 0.3397)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8DAD1
RGB	184, 218, 209
RGB Percent	72%, 85%, 82%
CMY	0.2787, 0.1450, 0.1804
CMYK	0.16, 0.00, 0.04, 0.15
HSL	164°, 32%, 79%
HSV	164°, 16%, 85%
XYZ	56.3345, 64.9366, 69.8876
YIQ	206.8080, -17.3750, -10.0070

# Conversions

## Conversions Part 2

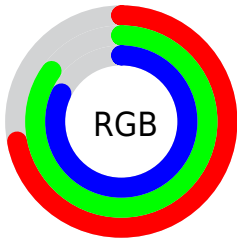
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 204, 218
Decimal	12114641
CIELab	84.45, -12.98, 0.67
CIELCh	84, 12.997, 177.045
Yxy	64.9366, 0.2947, 0.3397
Android (android.graphics.Color)	4290304721 (0xFFB8DAD1)
YUV	206.8080, 1.0807, -20.0026
Hunter-Lab	80.5832, -16.2342, 4.9877

# Details

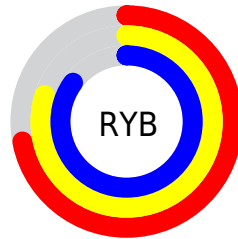
The Yxy color **64.9366, 0.2947, 0.3397** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.0083, 0.3345, 0.3186**, and the grayscale version is **62.2620, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2653, 0.3035, 0.3290**, and **33.3862, 0.2904, 0.3417** is the 20% darker color. If you saturate the color by 10%, you get **62.1718, 0.2839, 0.3474**, and if you desaturate by 10%, it is **68.1320, 0.3061, 0.3327**.

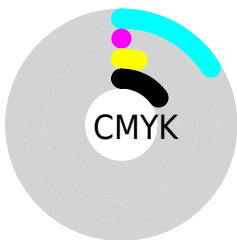
# Distribution



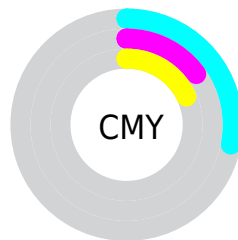
- Red (72%)
- Green (85%)
- Blue (82%)



- Red (72%)
- Yellow (80%)
- Blue (85%)



- Cyan (16%)
- Magenta (0%)
- Yellow (4%)
- Black (15%)




- Cyan (28%)
- Magenta (15%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.9366, 0.2947, 0.3397 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 64.9366, 0.2947, 0.3397 by changing the saturation by 10% instead.




 64.9366, 0.2947,  
0.3397

 64.9366, 0.2947,  
0.3397


442.5641, 0.3032,  
0.3346

 47.4097, 0.2927,  
0.3409


 111.9587, 0.2977,  
0.3379

 33.3596, 0.2902,  
0.3424


142.2227, 0.2988,  
0.3372

 22.4021, 0.2870,  
0.3443


177.5011, 0.2998,  
0.3366

 14.1526, 0.2828,  
0.3468

218.1784, 0.3007,  
0.3361

 8.2269, 0.2769,  
0.3504

264.6390, 0.3014,  
0.3357

 4.2405, 0.2681,  
0.3557

317.2672, 0.3021,

 1.8090, 0.2535,

0.3353

376.4474, 0.3027,  
0.3350

0.3645

0.4928, 0.1336,  
0.4345

0.0000, 0.0000,  
0.0000

64.9366, 0.2947,  
0.3397

64.9366, 0.2947,  
0.3397

62.1718, 0.2839,  
0.3474

68.1320, 0.3061,  
0.3327

59.8105, 0.2741,  
0.3558


71.7677, 0.3179,  
0.3263

57.8349, 0.2655,  
0.3647

75.8633, 0.3298,  
0.3206


56.2225, 0.2584,  
0.3741


77.2444, 0.3299,  
0.3151

 54.9487, 0.2531,  
0.3839


 77.5777, 0.3259,  
0.3094

 53.9857, 0.2497,  
0.3938

 77.9219, 0.3220,  
0.3038

 53.3011, 0.2483,  
0.4038

 78.2770, 0.3181,  
0.2983

 52.8550, 0.2489,  
0.4137

 78.6341, 0.3144,  
0.2930

 52.7044, 0.2494,  
0.4180

# Harmonies

## Analogous

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



64.9366, 0.3099, 0.3520



64.9366, 0.2947, 0.3397



64.9366, 0.2845, 0.3246

# Triad

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



64.9366, 0.2947, 0.3397



64.9366, 0.2989, 0.3019



64.9366, 0.3448, 0.3456

# Complementary

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



64.9366, 0.2947, 0.3397



53.0083, 0.3345, 0.3186

# 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.



64.9366, 0.3418, 0.3322



64.9366, 0.2947, 0.3397



64.9366, 0.3149, 0.3075

# Square

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



64.9366, 0.2947, 0.3397



64.9366, 0.2868, 0.3032



64.9366, 0.3307, 0.3185



64.9366, 0.3390, 0.3550



# Rectangle

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



64.9366, 0.2947, 0.3397



64.9366, 0.2817, 0.3153



64.9366, 0.3307, 0.3185



64.9366, 0.3448, 0.3414

# Sweetspot

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



64.9393, 0.2947, 0.3397



97.4462, 0.3068, 0.3323



64.9520, 0.3173, 0.3699



20.7834, 0.3060, 0.3327



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

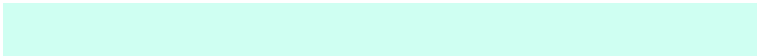


# Same Dimension

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



64.9393, 0.2947, 0.3397



91.1425, 0.2908, 0.3424



61.3709, 0.2887, 0.3195



14.7677, 0.3017, 0.3353



31.5870, 0.2490, 0.4165



2.0603, 0.2446, 0.4004



# Inverse Universe

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



53.0083, 0.3345, 0.3186



70.8017, 0.3405, 0.3161



56.0149, 0.3406, 0.3384



13.1078, 0.3250, 0.3228



9.1261, 0.5872, 0.3009



0.6054, 0.5403, 0.2750



# Previews

## White Background



This preview shows how the Yxy color 64.9366, 0.2947, 0.3397 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 64.9366, 0.2947, 0.3397 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

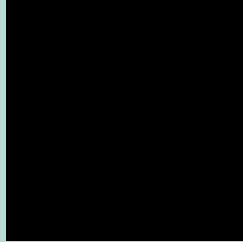
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

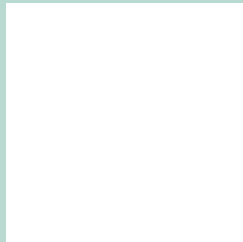
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.9366, 0.2947, 0.3397**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.9366, 0.2947, 0.3397.

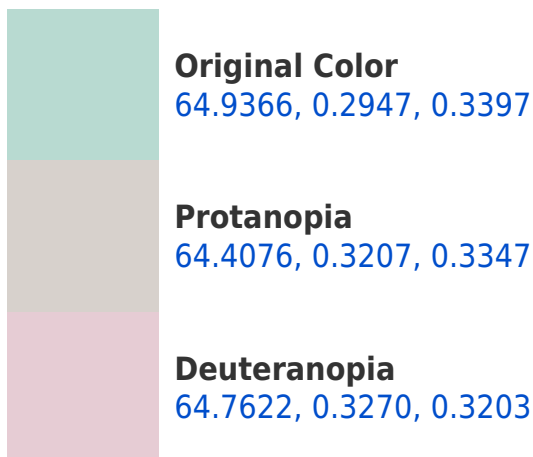


This preview shows how white text looks on a background with the Yxy color 64.9366, 0.2947, 0.3397.

# 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

65.1184, 0.2832, 0.3094

# Trichromacy



## Original Color

64.9366, 0.2947, 0.3397

## Protanomaly

64.3806, 0.3109, 0.3359

## Deuteranomaly

64.4502, 0.3143, 0.3267

## Tritanomaly

65.0583, 0.2874, 0.3196

# Monochromacy



## Original Color

64.9366, 0.2947, 0.3397

## Achromatopsia

62.3960, 0.3127, 0.3290

## Achromatomaly

63.2847, 0.3059, 0.3325

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.9366, 0.2947, 0.3397 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(184, 218, 209)` looks like.

```
.text, #text, p{  
    color:rgb(184, 218, 209)  
}
```

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(184, 218, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 218, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 64.9366, 0.2947, 0.3397 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(184, 218, 209) }
```

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

```
.border{ border-color:rgb(184, 218, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 218, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 218, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 218, 209);  
box-shadow:4px 4px 4px 4px rgb(184, 218,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.9366, 0.2947, 0.3397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 218, 209) }
```

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

```
.background{ background-color: rgb(184,  
218, 209) }
```

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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