

# Converting Colors

$Yxy(65.2948, 0.2947, 0.3413)$

Have a look what the booklet for  
Yxy(65.2948, 0.2947, 0.3413)  
contains.

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# Color

**Yxy(65.3338, 0.2941, 0.3409)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7DBD1
RGB	183, 219, 209
RGB Percent	72%, 86%, 82%
CMY	0.2824, 0.1411, 0.1804
CMYK	0.16, 0.00, 0.05, 0.14
HSL	163°, 33%, 79%
HSV	163°, 16%, 86%
XYZ	56.3645, 65.3338, 69.9526
YIQ	207.0960, -18.2460, -10.7420

# Conversions

## Conversions Part 2

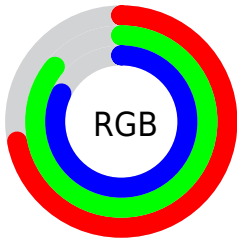
<b>Format</b>	<b>Color</b>
<b>RYB</b>	183, 204, 219
Decimal	12049361
CIELab	84.66, -13.79, 0.97
CIElCh	85, 13.820, 175.980
Yxy	65.3338, 0.2941, 0.3409
Android (android.graphics.Color)	4290239441 (0xFFB7DBD1)
YUV	207.0960, 0.9387, -21.1322
Hunter-Lab	80.8293, -16.9783, 5.2688

# Details

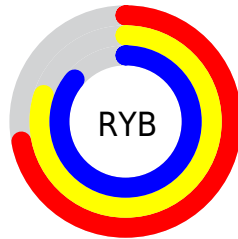
The Yxy color **65.3338, 0.2941, 0.3409** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.7736, 0.3355, 0.3174**, and the grayscale version is **62.4640, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0907, 0.3029, 0.3290**, and **33.6633, 0.2896, 0.3432** is the 20% darker color. If you saturate the color by 10%, you get **62.5608, 0.2836, 0.3491**, and if you desaturate by 10%, it is **68.5416, 0.3053, 0.3334**.

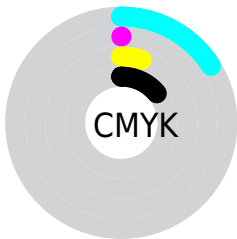
# Distribution



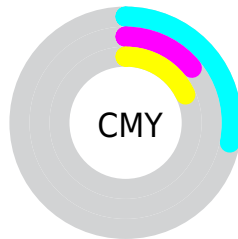
- Red (72%)
- Green (86%)
- Blue (82%)



- Red (72%)
- Yellow (80%)
- Blue (86%)



- Cyan (16%)
- Magenta (0%)
- Yellow (5%)
- Black (14%)




- Cyan (28%)
- Magenta (14%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.3338, 0.2941, 0.3409 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 65.3338, 0.2941, 0.3409 by changing the saturation by 10% instead.





 65.3338, 0.2941,  
0.3409

 65.3338, 0.2941,  
0.3409


443.9905, 0.3029,  
0.3353

 47.7318, 0.2920,  
0.3422

 112.5296, 0.2972,  
0.3389

 33.6145, 0.2895,  
0.3439

142.8922, 0.2984,  
0.3382

 22.5976, 0.2862,  
0.3460


178.2772, 0.2994,  
0.3375

 14.2967, 0.2818,  
0.3488

219.0688, 0.3003,  
0.3369

 8.3273, 0.2757,  
0.3528

265.6516, 0.3011,  
0.3364

 4.3051, 0.2667,  
0.3587

318.4099, 0.3017,

 1.8456, 0.2517,

0.3360

0.3686

377.7281, 0.3024,  
0.3356

0.5154, 0.1319,  
0.4435

0.0000, 0.0000,  
0.0000

65.3338, 0.2941,  
0.3409

65.3338, 0.2941,  
0.3409

62.5608, 0.2836,  
0.3491

68.5416, 0.3053,  
0.3334

60.1951, 0.2740,  
0.3580


72.1943, 0.3169,  
0.3267


58.2184, 0.2656,  
0.3674


76.3116, 0.3286,  
0.3207

56.6081, 0.2588,  
0.3774


77.8318, 0.3289,  
0.3148

 55.3388, 0.2537,  
0.3878


 78.1868, 0.3248,  
0.3088

 54.3821, 0.2506,  
0.3983


 78.5540, 0.3206,  
0.3029

 53.7048, 0.2495,  
0.4088

 78.9334, 0.3166,  
0.2972

 53.2648, 0.2503,  
0.4193

 79.1480, 0.3144,  
0.2940

 53.1394, 0.2508,  
0.4230

# Harmonies

## Analogous

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



65.3338, 0.3103, 0.3538



65.3338, 0.2941, 0.3409



65.3338, 0.2830, 0.3249

# Triad

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



65.3338, 0.2941, 0.3409



65.3338, 0.2975, 0.3002



65.3338, 0.3469, 0.3461

# Complementary

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



65.3338, 0.2941, 0.3409



52.7736, 0.3355, 0.3174

# 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.



65.3338, 0.3433, 0.3319



65.3338, 0.2941, 0.3409



65.3338, 0.3144, 0.3059

# Square

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



65.3338, 0.2941, 0.3409



65.3338, 0.2849, 0.3018



65.3338, 0.3313, 0.3173



65.3338, 0.3410, 0.3563



# Rectangle

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



65.3338, 0.2941, 0.3409



65.3338, 0.2799, 0.3149



65.3338, 0.3313, 0.3173



65.3338, 0.3467, 0.3416

# Sweetspot

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



65.3365, 0.2941, 0.3409



97.4351, 0.3069, 0.3324



65.4492, 0.3180, 0.3722



20.7808, 0.3061, 0.3329



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

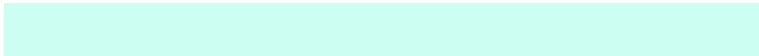


# Same Dimension

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



65.3365, 0.2941, 0.3409



90.6970, 0.2901, 0.3439



61.8709, 0.2875, 0.3196



14.7645, 0.3019, 0.3356



31.5255, 0.2504, 0.4214



2.0567, 0.2457, 0.4044



# Inverse Universe

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



52.7736, 0.3355, 0.3174



69.5176, 0.3418, 0.3147



55.6507, 0.3424, 0.3382



13.1108, 0.3248, 0.3225



9.1453, 0.5827, 0.2984

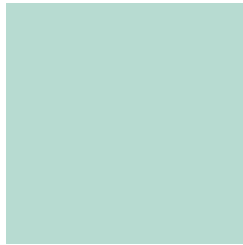


0.6070, 0.5357, 0.2725



# Previews

## White Background



This preview shows how the Yxy color 65.3338, 0.2941, 0.3409 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

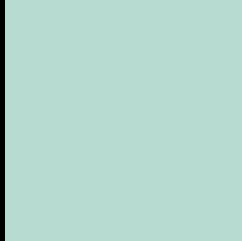
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.3338, 0.2941, 0.3409 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

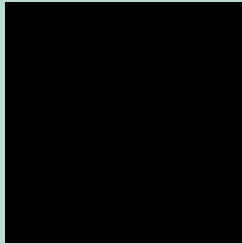
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

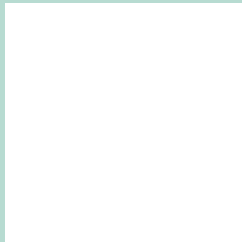
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 65.3338, 0.2941, 0.3409**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.3338, 0.2941, 0.3409.

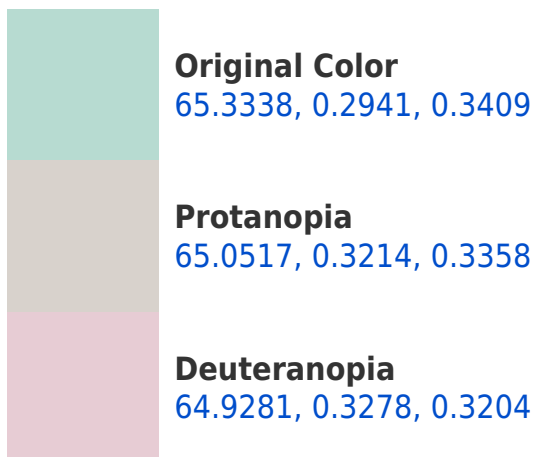


This preview shows how white text looks on a background with the Yxy color 65.3338, 0.2941, 0.3409.

# 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

65.0489, 0.2819, 0.3082

# Trichromacy



**Original Color**

65.3338, 0.2941, 0.3409

**Protanomaly**

64.8821, 0.3109, 0.3371

**Deuteranomaly**

64.6002, 0.3151, 0.3268

**Tritanomaly**

64.9327, 0.2867, 0.3196

# Monochromacy



**Original Color**

65.3338, 0.2941, 0.3409

**Achromatopsia**

62.3960, 0.3127, 0.3290

**Achromatomaly**

63.1484, 0.3052, 0.3325

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.3338, 0.2941, 0.3409 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(183, 219, 209)` looks like.

```
.text, #text, p{  
    color:rgb(183, 219, 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(183, 219, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 219, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 65.3338, 0.2941, 0.3409 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(183, 219, 209) }
```

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

```
.border{ border-color:rgb(183, 219, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 219, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 219, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 219, 209);  
box-shadow:4px 4px 4px 4px rgb(183, 219,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.3338, 0.2941, 0.3409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 219, 209) }
```

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

```
.background{ background-color: rgb(183,  
219, 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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