

# Converting Colors

$Yxy(65.7720, 0.2889, 0.3341)$

Have a look what the booklet for  
Yxy(65.7720, 0.2889, 0.3341)  
contains.

<b>Yxy(65.9165, 0.2891, 0.3349)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(65.9165, 0.2891, 0.3349)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5DCD7
RGB	181, 220, 215
RGB Percent	71%, 86%, 84%
CMY	0.2905, 0.1372, 0.1569
CMYK	0.18, 0.00, 0.02, 0.14
HSL	172°, 36%, 79%
HSV	172°, 18%, 86%
XYZ	56.9019, 65.9165, 74.0060
YIQ	207.7690, -21.6390, -9.8230

# Conversions

## Conversions Part 2

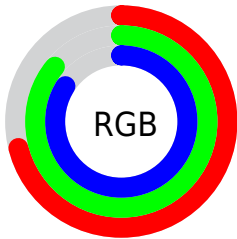
Format	Color
R <sub>Y</sub> B	181, 202, 220
Decimal	11918551
CIE Lab	84.95, -13.74, -1.79
CIE LCh	85, 13.857, 187.412
Yxy	65.9165, 0.2891, 0.3349
Android (android.graphics.Color)	4290108631 (0xFFB5DCD7)
YUV	207.7690, 3.5649, -23.4764
Hunter-Lab	81.1890, -16.9776, 2.7878

# Details

The Yxy color **65.9165, 0.2891, 0.3349** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.7837, 0.3426, 0.3232**, and the grayscale version is **62.8998, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7445, 0.3017, 0.3290**, and **34.0375, 0.2840, 0.3368** is the 20% darker color. If you saturate the color by 10%, you get **63.3230, 0.2769, 0.3386**, and if you desaturate by 10%, it is **68.9379, 0.3022, 0.3315**.

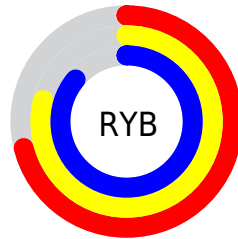
# Distribution



Red (71%)

Green (86%)

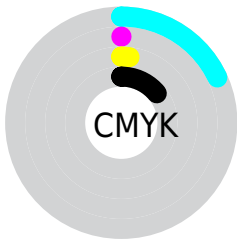
Blue (84%)



Red (71%)

Yellow (79%)

Blue (86%)

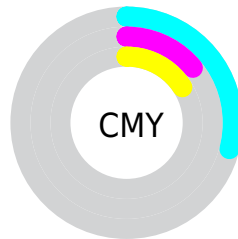


Cyan (18%)

Magenta (0%)

Yellow (2%)

Black (14%)



Cyan (29%)

Magenta (14%)


Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.9165, 0.2891, 0.3349 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 65.9165, 0.2891, 0.3349 by changing the saturation by 10% instead.





 65.9165, 0.2891,  
0.3349

 65.9165, 0.2891,  
0.3349


446.0782, 0.3002,  
0.3322

 48.2046, 0.2865,  
0.3355

 113.3665, 0.2930,  
0.3340

 33.9890, 0.2833,  
0.3363


143.8734, 0.2945,  
0.3336

 22.8851, 0.2792,  
0.3372

179.4141, 0.2958,  
0.3333

 14.5087, 0.2738,  
0.3385

220.3729, 0.2969,  
0.3330

 8.4753, 0.2664,  
0.3402

267.1344, 0.2979,  
0.3328

 4.4006, 0.2553,  
0.3426

320.0828, 0.2987,

 1.9001, 0.2375,

0.3326

0.3463

379.6026, 0.2995,  
0.3324

0.5484, 0.1276,  
0.3766

0.0000, 0.0000,  
0.0000

65.9165, 0.2891,  
0.3349

65.9165, 0.2891,  
0.3349

63.3230, 0.2769,  
0.3386

68.9379, 0.3022,  
0.3315

61.1297, 0.2660,  
0.3426

72.3974, 0.3158,  
0.3283

59.3178, 0.2565,  
0.3468

76.3150, 0.3298,  
0.3255

57.8643, 0.2486,  
0.3512

77.9662, 0.3337,  
0.3228

■ 56.7433, 0.2427,  
0.3557

■ 78.1233, 0.3317,  
0.3199

■ 55.9257, 0.2387,  
0.3602

■ 78.2830, 0.3298,  
0.3171

■ 55.3771, 0.2366,  
0.3648

■ 78.4453, 0.3278,  
0.3144

■ 55.0498, 0.2362,  
0.3692

■ 78.6101, 0.3259,  
0.3116

■ 54.9900, 0.2362,  
0.3702

■ 78.7776, 0.3240,  
0.3088

# Harmonies

## Analogous

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



65.9165, 0.3038, 0.3495



65.9165, 0.2891, 0.3349



65.9165, 0.2808, 0.3190

# Triad

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



65.9165, 0.2891, 0.3349



65.9165, 0.3036, 0.3016



65.9165, 0.3457, 0.3507

# Complementary

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



65.9165, 0.2891, 0.3349



51.7837, 0.3426, 0.3232

# 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.



65.9165, 0.3458, 0.3375



65.9165, 0.2891, 0.3349



65.9165, 0.3211, 0.3097

# Square

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



65.9165, 0.2891, 0.3349



65.9165, 0.2890, 0.3003



65.9165, 0.3367, 0.3227



65.9165, 0.3365, 0.3585



# Rectangle

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



65.9165, 0.2891, 0.3349



65.9165, 0.2798, 0.3100



65.9165, 0.3367, 0.3227



65.9165, 0.3468, 0.3467

# Sweetspot

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



65.9192, 0.2891, 0.3349



97.5562, 0.3058, 0.3306



64.9885, 0.3142, 0.3766



20.8103, 0.3049, 0.3308



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

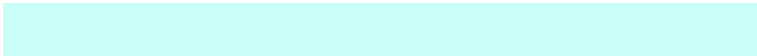


# Same Dimension

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



65.9192, 0.2891, 0.3349



90.7839, 0.2848, 0.3361



58.9775, 0.2852, 0.3117



14.7992, 0.2999, 0.3320



32.2777, 0.2360, 0.3695



2.0993, 0.2340, 0.3622



# Inverse Universe

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



51.7837, 0.3426, 0.3232



67.8144, 0.3498, 0.3220



57.7021, 0.3441, 0.3457



13.0787, 0.3271, 0.3260



8.9891, 0.6228, 0.3205

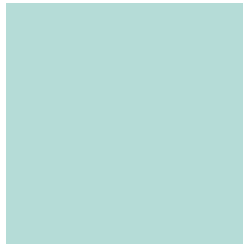


0.5915, 0.5864, 0.3004



# Previews

## White Background



This preview shows how the Yxy color 65.9165, 0.2891, 0.3349 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

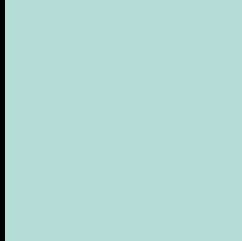
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.9165, 0.2891, 0.3349 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

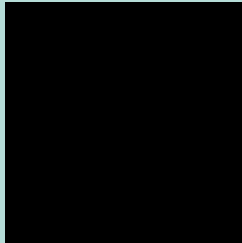
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

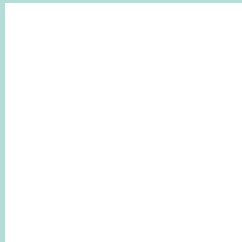
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 65.9165, 0.2891, 0.3349**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.9165, 0.2891, 0.3349.

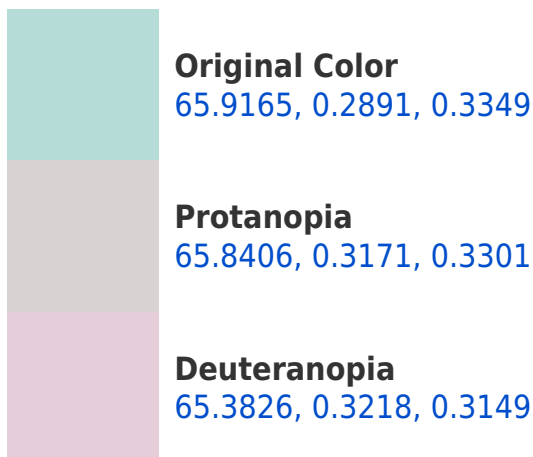


This preview shows how white text looks on a background with the Yxy color 65.9165, 0.2891, 0.3349.

# 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

65.8805, 0.2802, 0.3093

# Trichromacy



## Original Color

65.9165, 0.2891, 0.3349

## Protanomaly

65.5431, 0.3061, 0.3313

## Deuteranomaly

65.1000, 0.3094, 0.3211

## Tritanomaly

65.8792, 0.2838, 0.3184

# Monochromacy



## Original Color

65.9165, 0.2891, 0.3349

## Achromatopsia

63.0757, 0.3127, 0.3290

## Achromatomaly

63.7959, 0.3032, 0.3301

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.9165, 0.2891, 0.3349 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(181, 220, 215)` looks like.

```
.text, #text, p{  
    color:rgb(181, 220, 215)  
}
```

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(181, 220, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 220, 215) }
```

## Border

The CSS property to change the border of an element to Yxy 65.9165, 0.2891, 0.3349 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(181, 220, 215) }
```

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

```
.border{ border-color:rgb(181, 220, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 220, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 220, 215); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 220, 215); box-shadow:4px 4px 4px 4px rgb(181, 220, 215) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.9165, 0.2891, 0.3349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 220, 215) }
```

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

```
.background{ background-color: rgb(181,  
220, 215) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor