

# Converting Colors

$Yxy(66.6748, 0.3016, 0.3534)$

Have a look what the booklet for  
Yxy(66.6748, 0.3016, 0.3534)  
contains.

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# Color

**Yxy(66.4947, 0.3018, 0.3528)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBDDC9
RGB	187, 221, 201
RGB Percent	73%, 87%, 79%
CMY	0.2669, 0.1333, 0.2117
CMYK	0.15, 0.00, 0.09, 0.13
HSL	145°, 33%, 80%
HSV	145°, 15%, 87%
XYZ	56.8824, 66.4947, 65.1000
YIQ	208.5540, -13.8440, -13.4280

# Conversions

## Conversions Part 2

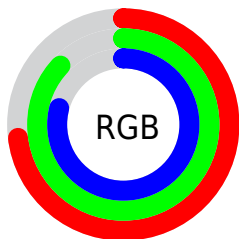
<b>Format</b>	<b>Color</b>
<b>RYB</b>	187, 211, 221
Decimal	12312009
CIELab	85.25, -15.06, 6.08
CIELCh	85, 16.238, 158.021
Yxy	66.4947, 0.3018, 0.3528
Android (android.graphics.Color)	4290502089 (0xFFBBDDC9)
YUV	208.5540, -3.7241, -18.9029
Hunter-Lab	81.5443, -18.1873, 9.7475

# Details

The Yxy color **66.4947, 0.3018, 0.3528** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.3934, 0.3254, 0.3063**, and the grayscale version is **63.4817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7947, 0.3054, 0.3290**, and **34.3656, 0.2987, 0.3592** is the 20% darker color. If you saturate the color by 10%, you get **63.3370, 0.2950, 0.3706**, and if you desaturate by 10%, it is **70.1386, 0.3089, 0.3369**.

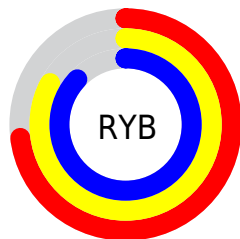
# Distribution



Red (73%)

Green (87%)

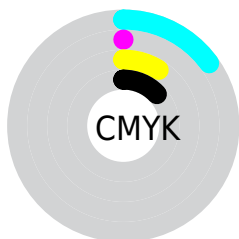
Blue (79%)



Red (73%)

Yellow (83%)

Blue (87%)

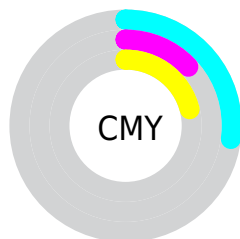


Cyan (15%)

Magenta (0%)

Yellow (9%)

Black (13%)



Cyan (27%)

Magenta (13%)

Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.4947, 0.3018, 0.3528 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 66.4947, 0.3018, 0.3528 by changing the saturation by 10% instead.





 66.4947, 0.3018,  
0.3528

 66.4947, 0.3018,  
0.3528


448.1440, 0.3070,  
0.3414

 48.6741, 0.3006,  
0.3555


 114.1961, 0.3037,  
0.3488

 34.3610, 0.2990,  
0.3589


144.8456, 0.3044,  
0.3472

 23.1711, 0.2970,  
0.3633


180.5403, 0.3050,  
0.3459

 14.7199, 0.2942,  
0.3692

221.6645, 0.3055,  
0.3448

 8.6230, 0.2904,  
0.3776

268.6025, 0.3060,  
0.3438

 4.4961, 0.2845,  
0.3904


321.7389, 0.3064,

 1.9548, 0.2745,


0.3429


381.4579, 0.3067,  
0.3421


0.4121


 0.5810, 0.1897,  
0.5969


 0.0000, 0.0000,  
0.0000


 66.4947, 0.3018,  
0.3528

 66.4947, 0.3018,  
0.3528


 63.3370, 0.2950,  
0.3706


 70.1386, 0.3089,  
0.3369


 60.6362, 0.2888,  
0.3901

 74.2798, 0.3160,  
0.3227

 58.3727, 0.2833,  
0.4112

 78.9394, 0.3230,  
0.3103

 56.5222, 0.2791,  
0.4335

 80.0693, 0.3156,  
0.2980

■ 55.0579, 0.2764,  
0.4565

■ 80.2026, 0.3143,  
0.2960

■ 53.9497, 0.2754,  
0.4795

■ 53.1628, 0.2764,  
0.5017

■ 52.6546, 0.2792,  
0.5221

■ 52.4822, 0.2808,  
0.5309

# Harmonies

## Analogous

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



66.4947, 0.3220, 0.3632



66.4947, 0.3018, 0.3528



66.4947, 0.2849, 0.3355

# Triad

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



66.4947, 0.3018, 0.3528



66.4947, 0.2853, 0.2955



66.4947, 0.3515, 0.3391

# Complementary

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



66.4947, 0.3018, 0.3528



55.3934, 0.3254, 0.3063

# 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.



66.4947, 0.3410, 0.3219



66.4947, 0.3018, 0.3528



66.4947, 0.3025, 0.2973

# Square

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



66.4947, 0.3018, 0.3528



66.4947, 0.2756, 0.3024



66.4947, 0.3229, 0.3069



66.4947, 0.3511, 0.3544



# Rectangle

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



66.4947, 0.3018, 0.3528



66.4947, 0.2776, 0.3228



66.4947, 0.3229, 0.3069



66.4947, 0.3491, 0.3334

# Sweetspot

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



66.4975, 0.3018, 0.3528



97.1887, 0.3091, 0.3363



68.6292, 0.3256, 0.3683



20.7208, 0.3086, 0.3374



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

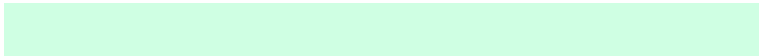


# Same Dimension

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



66.4975, 0.3018, 0.3528



90.2420, 0.2992, 0.3592



67.3216, 0.2915, 0.3329



14.6950, 0.3060, 0.3430



30.5033, 0.2800, 0.5280



1.9930, 0.2709, 0.4953



# Inverse Universe

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



55.3934, 0.3254, 0.3063



71.6659, 0.3290, 0.3006



54.6238, 0.3388, 0.3251



13.1792, 0.3200, 0.3154



9.8855, 0.4585, 0.2300

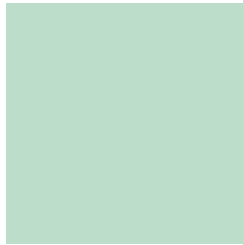


0.6574, 0.4301, 0.2143



# Previews

## White Background



This preview shows how the Yxy color 66.4947, 0.3018, 0.3528 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 66.4947, 0.3018, 0.3528 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

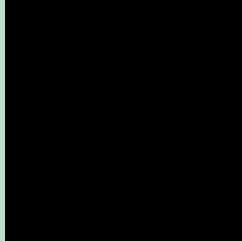
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

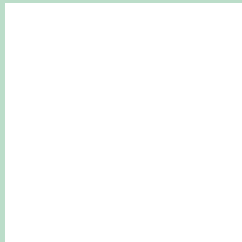
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 66.4947, 0.3018, 0.3528**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.4947, 0.3018, 0.3528.

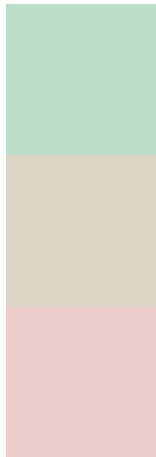


This preview shows how white text looks on a background with the Yxy color 66.4947, 0.3018, 0.3528.

# 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

66.4947, 0.3018, 0.3528

### Protanopia

66.2881, 0.3299, 0.3470

### Deuteranopia

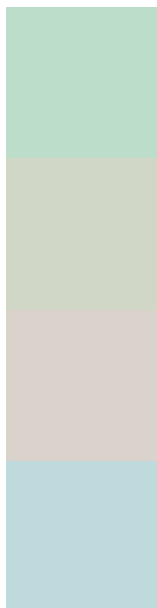
65.8551, 0.3375, 0.3302



## Tritanopia

66.3324, 0.2859, 0.3096

# Trichromacy



## Original Color

66.4947, 0.3018, 0.3528

## Protanomaly

66.0880, 0.3191, 0.3486

## Deuteranomaly

65.8058, 0.3236, 0.3380

## Tritanomaly

66.4396, 0.2920, 0.3255

# Monochromacy



## Original Color

66.4947, 0.3018, 0.3528

## Achromatopsia

63.7597, 0.3127, 0.3290

## Achromatomaly

64.4622, 0.3087, 0.3371

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.4947, 0.3018, 0.3528 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(187, 221, 201)` looks like.

```
.text, #text, p{  
    color:rgb(187, 221, 201)  
}
```

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(187, 221, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 221, 201) }
```

## Border

The CSS property to change the border of an element to Yxy 66.4947, 0.3018, 0.3528 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(187, 221, 201) }
```

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

```
.border{ border-color:rgb(187, 221, 201) }
```

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

Here you see how a box with a 4 pixel rgb(187, 221, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 221, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 221, 201);  
box-shadow:4px 4px 4px 4px rgb(187, 221,  
201) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.4947, 0.3018, 0.3528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 221, 201) }
```

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

```
.background{ background-color: rgb(187,  
221, 201) }
```

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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