

# Converting Colors

$Yxy(66.0071, 0.3020, 0.3689)$

Have a look what the booklet for  
Yxy(66.0071, 0.3020, 0.3689)  
contains.

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# Color

**Yxy(65.9580, 0.3026, 0.3693)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2DFBE
RGB	178, 223, 190
RGB Percent	70%, 87%, 75%
CMY	0.3019, 0.1255, 0.2549
CMYK	0.20, 0.00, 0.15, 0.13
HSL	136°, 41%, 79%
HSV	136°, 20%, 87%
XYZ	54.0452, 65.9580, 58.5996
YIQ	205.7830, -16.2270, -19.8030

# Conversions

## Conversions Part 2

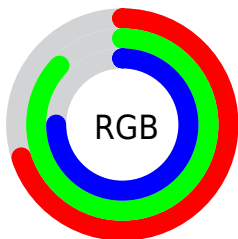
Format	Color
R <sub>YB</sub>	178, 214, 223
Decimal	11722686
CIE Lab	84.97, -21.01, 11.41
CIE LCh	85, 23.906, 151.485
Yxy	65.9580, 0.3026, 0.3693
Android (android.graphics.Color)	4289912766 (0xFFB2DFBE)
YUV	205.7830, -7.7810, -24.3657
Hunter-Lab	81.2145, -23.3404, 14.0700

# Details

The Yxy color **65.9580, 0.3026, 0.3693** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **52.2402, 0.3246, 0.2918**, and the grayscale version is **61.6375, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6662, 0.3049, 0.3379**, and **34.1714, 0.2998, 0.3797** is the 20% darker color. If you saturate the color by 10%, you get **62.8578, 0.2978, 0.3929**, and if you desaturate by 10%, it is **69.5729, 0.3076, 0.3481**.

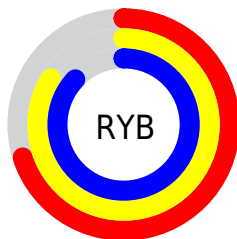
# Distribution



Red (70%)

Green (87%)

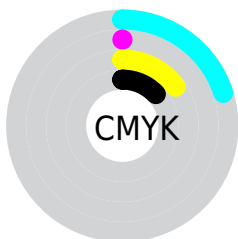
Blue (75%)



Red (70%)

Yellow (84%)

Blue (87%)

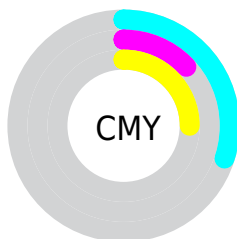


Cyan (20%)

Magenta (0%)

Yellow (15%)

Black (13%)



Cyan (30%)

Magenta (13%)


Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.9580, 0.3026, 0.3693 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 65.9580, 0.3026, 0.3693 by changing the saturation by 10% instead.




 65.9580, 0.3026,  
0.3693

 65.9580, 0.3026,  
0.3693


446.2267, 0.3076,  
0.3498

 48.2383, 0.3014,  
0.3740


 113.4260, 0.3044,  
0.3623

 34.0156, 0.2998,  
0.3799


143.9432, 0.3051,  
0.3597

 22.9056, 0.2977,  
0.3877


179.4950, 0.3057,  
0.3574

 14.5238, 0.2947,  
0.3981

220.4657, 0.3062,  
0.3555

 8.4859, 0.2905,  
0.4131

267.2399, 0.3066,  
0.3538

 4.4074, 0.2836,  
0.4363

320.2018, 0.3070,

 1.9040, 0.2711,

0.3523

0.4766

379.7359, 0.3073,  
0.3509

0.5508, 0.0191,  
0.9809

0.0000, 0.0000,  
0.0000

65.9580, 0.3026,  
0.3693

65.9580, 0.3026,  
0.3693

62.8578, 0.2978,  
0.3929

69.5729, 0.3076,  
0.3481

60.2406, 0.2935,  
0.4186

73.7158, 0.3126,  
0.3293

58.0839, 0.2899,  
0.4460

78.4102, 0.3176,  
0.3128

56.3603, 0.2874,  
0.4742

81.2557, 0.3142,  
0.2980

■ 55.0393, 0.2863,  
0.5020

■ 54.0862, 0.2866,  
0.5280

■ 53.4602, 0.2885,  
0.5508

■ 53.0958, 0.2914,  
0.5691

# Harmonies

## Analogous

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



65.9580, 0.3324, 0.3816



65.9580, 0.3026, 0.3693



65.9580, 0.2764, 0.3445

# Triad

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



65.9580, 0.3026, 0.3693



65.9580, 0.2684, 0.2812



65.9580, 0.3682, 0.3377

# Complementary

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



65.9580, 0.3026, 0.3693



52.2402, 0.3246, 0.2918

# 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.



65.9580, 0.3494, 0.3132



65.9580, 0.3026, 0.3693



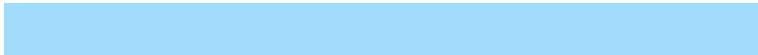
65.9580, 0.2912, 0.2815

# Square

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



65.9580, 0.3026, 0.3693



65.9580, 0.2574, 0.2932



65.9580, 0.3209, 0.2931



65.9580, 0.3712, 0.3613



# Rectangle

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



65.9580, 0.3026, 0.3693



65.9580, 0.2642, 0.3254



65.9580, 0.3209, 0.2931



65.9580, 0.3635, 0.3293

# Sweetspot

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



65.9608, 0.3026, 0.3693



96.5109, 0.3097, 0.3401



69.9515, 0.3346, 0.3805



20.5795, 0.3093, 0.3413



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

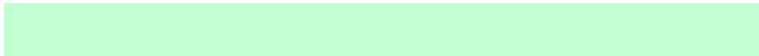


# Same Dimension

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



65.9608, 0.3026, 0.3693



87.6214, 0.3006, 0.3785



66.9840, 0.2893, 0.3423



15.3969, 0.3080, 0.3467



31.2354, 0.2907, 0.5666



2.1797, 0.2823, 0.5362



# Inverse Universe

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



52.2402, 0.3246, 0.2918



65.9684, 0.3275, 0.2842



51.2219, 0.3429, 0.3161



13.8700, 0.3178, 0.3120



10.8110, 0.4019, 0.1987

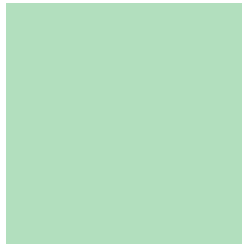


0.7640, 0.3866, 0.1903



# Previews

## White Background



This preview shows how the Yxy color 65.9580, 0.3026, 0.3693 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 65.9580, 0.3026, 0.3693 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

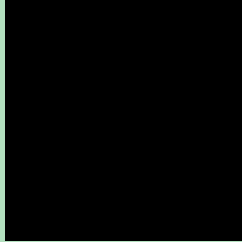
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

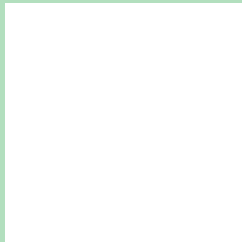
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 65.9580, 0.3026, 0.3693**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.9580, 0.3026, 0.3693.

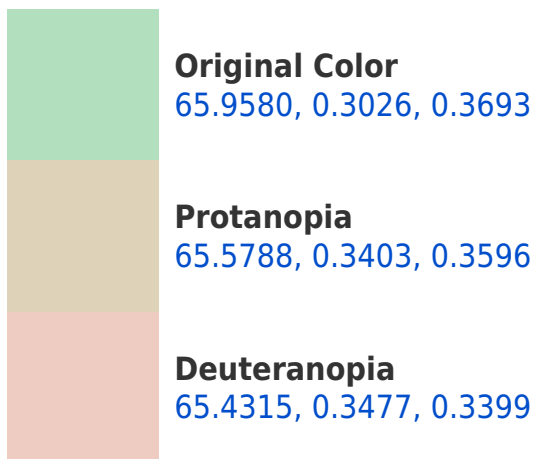


This preview shows how white text looks on a background with the Yxy color 65.9580, 0.3026, 0.3693.

# 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

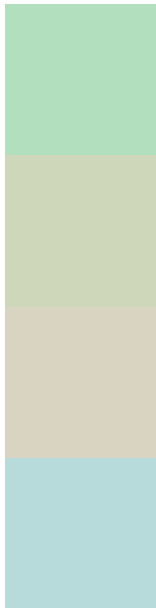




## Tritanopia

66.0053, 0.2808, 0.3094

# Trichromacy



**Original Color**

65.9580, 0.3026, 0.3693

**Protanomaly**

65.2679, 0.3259, 0.3629

**Deuteranomaly**

65.1905, 0.3299, 0.3495

**Tritanomaly**

65.7923, 0.2886, 0.3301

# Monochromacy



**Original Color**

65.9580, 0.3026, 0.3693

**Achromatopsia**

61.7207, 0.3127, 0.3290

**Achromatomaly**

62.9929, 0.3091, 0.3432

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.9580, 0.3026, 0.3693 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(178, 223, 190)` looks like.

```
.text, #text, p{  
    color:rgb(178, 223, 190)  
}
```

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(178, 223, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 223, 190) }
```

## Border

The CSS property to change the border of an element to Yxy 65.9580, 0.3026, 0.3693 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(178, 223, 190) }
```

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

```
.border{ border-color:rgb(178, 223, 190) }
```

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

Here you see how a box with a 4 pixel rgb(178, 223, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 223, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 223, 190);  
box-shadow:4px 4px 4px 4px rgb(178, 223,  
190) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.9580, 0.3026, 0.3693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 223, 190) }
```

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

```
.background{ background-color: rgb(178,  
223, 190) }
```

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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