

# Converting Colors

Yxy(63.1749, 0.3206, 0.4052)

Have a look what the booklet for  
Yxy(63.1749, 0.3206, 0.4052)  
contains.

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# Color

**Yxy(62.9546, 0.3204, 0.4046)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0DCA0
RGB	176, 220, 160
RGB Percent	69%, 86%, 63%
CMY	0.3096, 0.1373, 0.3725
CMYK	0.20, 0.00, 0.27, 0.14
HSL	104°, 46%, 75%
HSV	104°, 27%, 86%
XYZ	49.8533, 62.9546, 42.7892
YIQ	200.0040, -6.9640, -27.9880

# Conversions

## Conversions Part 2

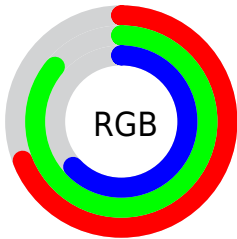
<b>Format</b>	<b>Color</b>
<b>RYB</b>	160, 220, 204
Decimal	11590816
CIELab	83.42, -25.30, 24.92
CIElCh	83, 35.507, 135.433
Yxy	62.9546, 0.3204, 0.4046
Android (android.graphics.Color)	4289780896 (0xFFB0DCA0)
YUV	200.0040, -19.7220, -21.0515
Hunter-Lab	79.3439, -26.6969, 23.5664

# Details

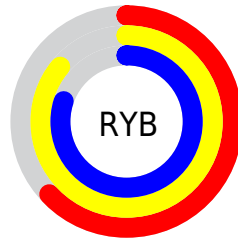
The Yxy color **62.9546, 0.3204, 0.4046** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **43.1458, 0.3019, 0.2585**, and the grayscale version is **57.8967, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5821, 0.3214, 0.3700**, and **32.1306, 0.3207, 0.4259** is the 20% darker color. If you saturate the color by 10%, you get **60.4849, 0.3224, 0.4366**, and if you desaturate by 10%, it is **65.7891, 0.3178, 0.3746**.

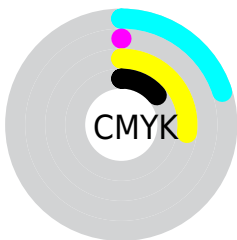
# Distribution



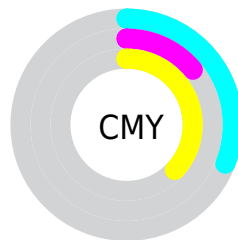
- Red (69%)
- Green (86%)
- Blue (63%)



- Red (63%)
- Yellow (86%)
- Blue (80%)



- Cyan (20%)
- Magenta (0%)
- Yellow (27%)
- Black (14%)




- Cyan (31%)
- Magenta (14%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.9546, 0.3204, 0.4046 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 62.9546, 0.3204, 0.4046 by changing the saturation by 10% instead.





 62.9546, 0.3204,  
0.4046

 62.9546, 0.3204,  
0.4046


435.4047, 0.3176,  
0.3672

 45.8045, 0.3208,  
0.4137


 109.1040, 0.3196,  
0.3912

 32.0916, 0.3211,  
0.4254


 138.8721, 0.3193,  
0.3861

 21.4314, 0.3213,  
0.4406


173.6150, 0.3189,  
0.3817

 13.4397, 0.3210,  
0.4613

213.7170, 0.3186,  
0.3780

 7.7320, 0.3195,  
0.4911

259.5626, 0.3183,  
0.3748

 3.9240, 0.3146,  
0.5369

311.5361, 0.3181,

 1.6311, 0.3275,

0.3720

0.6725

370.0220, 0.3178,  
0.3695

0.3784, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

62.9546, 0.3204,  
0.4046

62.9546, 0.3204,  
0.4046

60.4849, 0.3224,  
0.4366

65.7891, 0.3178,  
0.3746

58.3568, 0.3237,  
0.4697

68.9942, 0.3149,  
0.3472

56.5570, 0.3238,  
0.5022

72.5859, 0.3119,  
0.3225

55.0681, 0.3227,  
0.5322

76.5768, 0.3088,  
0.3007

■ 53.8708, 0.3203,  
0.5577

■ 79.6619, 0.3143,  
0.2950

■ 52.9436, 0.3166,  
0.5768

■ 52.2599, 0.3120,  
0.5888

■ 52.1065, 0.3108,  
0.5914

# Harmonies

## Analogous

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



62.9546, 0.3633, 0.4086



62.9546, 0.3204, 0.4046



62.9546, 0.2773, 0.3750

# Triad

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



62.9546, 0.3204, 0.4046



62.9546, 0.2363, 0.2648



62.9546, 0.3842, 0.3210

# Complementary

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



62.9546, 0.3204, 0.4046



43.1458, 0.3019, 0.2585

# 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.



62.9546, 0.3456, 0.2885



62.9546, 0.3204, 0.4046



62.9546, 0.2605, 0.2568

# Square

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



62.9546, 0.3204, 0.4046



62.9546, 0.2309, 0.2907



62.9546, 0.2999, 0.2656



62.9546, 0.4021, 0.3571



# Rectangle

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



62.9546, 0.3204, 0.4046



62.9546, 0.2542, 0.3462



62.9546, 0.2999, 0.2656



62.9546, 0.3731, 0.3094

# Sweetspot

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



62.9573, 0.3204, 0.4046



96.0300, 0.3152, 0.3493



60.4645, 0.3585, 0.3788



20.4030, 0.3156, 0.3533



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

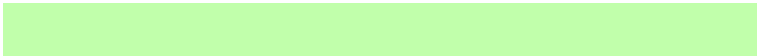


# Same Dimension

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



62.9573, 0.3204, 0.4046



85.8384, 0.3217, 0.4237



61.6751, 0.3010, 0.3897



14.7738, 0.3156, 0.3529



30.6302, 0.3117, 0.5907



2.0263, 0.3237, 0.5812



# Inverse Universe

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



43.1458, 0.3019, 0.2585



53.5283, 0.2987, 0.2422



44.8673, 0.3271, 0.2751



13.0906, 0.3095, 0.3057



7.5470, 0.2544, 0.1175



0.5302, 0.2657, 0.1237



# Previews

## White Background



This preview shows how the Yxy color 62.9546, 0.3204, 0.4046 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 62.9546, 0.3204, 0.4046 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 62.9546, 0.3204, 0.4046**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.9546, 0.3204, 0.4046.



This preview shows how white text looks on a background with the Yxy color 62.9546, 0.3204, 0.4046.

# 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

62.9546, 0.3204, 0.4046

### Protanopia

62.4883, 0.3635, 0.3898

### Deuteranopia

62.4044, 0.3751, 0.3672



## Tritanopia

62.7548, 0.2847, 0.3091

# Trichromacy



## Original Color

62.9546, 0.3204, 0.4046

## Protanomaly

62.4664, 0.3467, 0.3958

## Deuteranomaly

62.1754, 0.3535, 0.3800

## Tritanomaly

62.4722, 0.2978, 0.3423

# Monochromacy



## Original Color

62.9546, 0.3204, 0.4046

## Achromatopsia

57.7580, 0.3127, 0.3290

## Achromatomaly

59.2048, 0.3160, 0.3560

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  62.9546, 0.3204, 0.4046 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(176, 220, 160)` looks like.

```
.text, #text, p{  
    color:rgb(176, 220, 160)  
}
```

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(176, 220, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 220, 160) }
```

## Border

The CSS property to change the border of an element to Yxy 62.9546, 0.3204, 0.4046 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(176, 220, 160) }
```

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

```
.border{ border-color:rgb(176, 220, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 220, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 220, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 220, 160);  
box-shadow:4px 4px 4px 4px rgb(176, 220,  
160) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.9546, 0.3204, 0.4046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 220, 160) }
```

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

```
.background{ background-color: rgb(176,  
220, 160) }
```

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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