

# Converting Colors

Yxy(63.9040, 0.3156, 0.4228)

Have a look what the booklet for  
Yxy(63.9040, 0.3156, 0.4228)  
contains.

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# Color

**Yxy(63.9040, 0.3156, 0.4228)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A3E198
RGB	163, 225, 152
RGB Percent	64%, 88%, 60%
CMY	0.3607, 0.1176, 0.4038
CMYK	0.28, 0.00, 0.32, 0.12
HSL	111°, 55%, 74%
HSV	111°, 32%, 88%
XYZ	47.7013, 63.9040, 39.5395
YIQ	198.1400, -13.5190, -35.8470

# Conversions

## Conversions Part 2

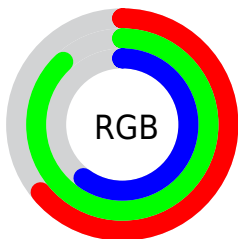
<b>Format</b>	<b>Color</b>
<b>RYB</b>	152, 225, 214
Decimal	10740120
CIELab	83.92, -33.33, 29.58
CIElCh	84, 44.561, 138.408
Yxy	63.9040, 0.3156, 0.4228
Android (android.graphics.Color)	4288930200 (0xFFA3E198)
YUV	198.1400, -22.7470, -30.8178
Hunter-Lab	79.9400, -33.3816, 26.6323

# Details

The Yxy color **63.9040, 0.3156, 0.4228** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **42.2020, 0.3067, 0.2463**, and the grayscale version is **56.7133, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.0851, 0.3178, 0.3797**, and **32.5472, 0.3145, 0.4491** is the 20% darker color. If you saturate the color by 10%, you get **61.3702, 0.3157, 0.4568**, and if you desaturate by 10%, it is **66.8881, 0.3150, 0.3907**.

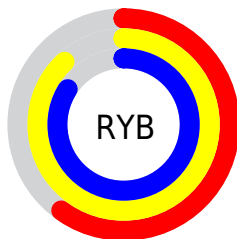
# Distribution



Red (64%)

Green (88%)

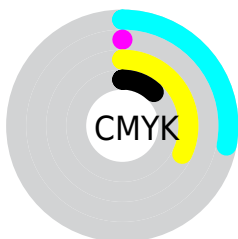
Blue (60%)



Red (60%)

Yellow (88%)

Blue (84%)

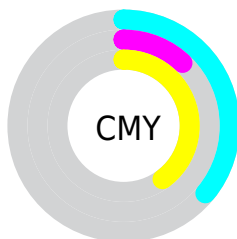


Cyan (28%)

Magenta (0%)

Yellow (32%)

Black (12%)



Cyan (36%)

Magenta (12%)


Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.9040, 0.3156, 0.4228 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 63.9040, 0.3156, 0.4228 by changing the saturation by 10% instead.



 63.9040, 0.3156,  
0.4228

 63.9040, 0.3156,  
0.4228


438.8429, 0.3156,  
0.3761

 46.5729, 0.3152,  
0.4343


 110.4727, 0.3159,  
0.4059

 32.6982, 0.3144,  
0.4489


 140.4791, 0.3159,  
0.3996

 21.8953, 0.3130,  
0.4680


175.4793, 0.3159,  
0.3942

 13.7800, 0.3103,  
0.4941

215.8579, 0.3159,  
0.3896

 7.9678, 0.3049,  
0.5315

261.9991, 0.3158,  
0.3855

 4.0744, 0.2934,  
0.5889

314.2874, 0.3157,

 1.7152, 0.2750,

0.3820

0.7250

373.1072, 0.3157,  
0.3789

0.4335, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

63.9040, 0.3156,  
0.4228

63.9040, 0.3156,  
0.4228

61.3702, 0.3157,  
0.4568

66.8881, 0.3150,  
0.3907

59.2568, 0.3151,  
0.4913

70.3343, 0.3141,  
0.3613

57.5433, 0.3138,  
0.5242

74.2642, 0.3130,  
0.3349

56.2039, 0.3118,  
0.5530

78.6957, 0.3118,  
0.3117

■ 55.2097, 0.3091,  
0.5756

■ 82.3304, 0.3141,  
0.2999

■ 54.5276, 0.3060,  
0.5904

■ 54.1883, 0.3038,  
0.5970

# Harmonies

## Analogous

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



63.9040, 0.3695, 0.4295



63.9040, 0.3156, 0.4228



63.9040, 0.2635, 0.3820

# Triad

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



63.9040, 0.3156, 0.4228



63.9040, 0.2211, 0.2477



63.9040, 0.4058, 0.3224

# Complementary

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



63.9040, 0.3156, 0.4228



42.2020, 0.3067, 0.2463

# 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.



63.9040, 0.3590, 0.2827



63.9040, 0.3156, 0.4228



63.9040, 0.2522, 0.2410

# Square

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



63.9040, 0.3156, 0.4228



63.9040, 0.2122, 0.2763



63.9040, 0.3017, 0.2538



63.9040, 0.4247, 0.3661



# Rectangle

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



63.9040, 0.3156, 0.4228



63.9040, 0.2367, 0.3443



63.9040, 0.3017, 0.2538



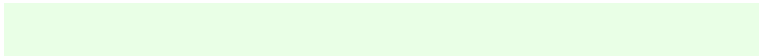
63.9040, 0.3926, 0.3083

# Sweetspot

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



63.9067, 0.3156, 0.4228



94.5857, 0.3139, 0.3548



65.7831, 0.3654, 0.3975



20.0938, 0.3140, 0.3586



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

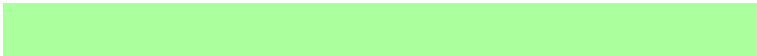


# Same Dimension

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



63.9067, 0.3156, 0.4228



82.5091, 0.3157, 0.4459



63.6777, 0.2939, 0.3920



15.4357, 0.3138, 0.3531



31.2571, 0.3044, 0.5965



2.1980, 0.3130, 0.5897



# Inverse Universe

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



42.2020, 0.3067, 0.2463



49.3768, 0.3049, 0.2287



42.6766, 0.3384, 0.2736



13.8257, 0.3114, 0.3057



9.5661, 0.2833, 0.1334



0.6918, 0.2894, 0.1368



# Previews

## White Background



This preview shows how the Yxy color 63.9040, 0.3156, 0.4228 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

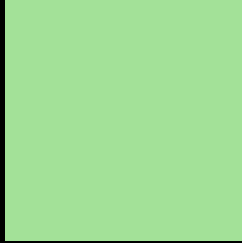
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.9040, 0.3156, 0.4228 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 63.9040, 0.3156, 0.4228**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.9040, 0.3156, 0.4228.



This preview shows how white text looks on a background with the Yxy color 63.9040, 0.3156, 0.4228.

# 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

63.9040, 0.3156, 0.4228

### Protanopia

63.1636, 0.3722, 0.4004

### Deuteranopia

63.1897, 0.3820, 0.3743



## Tritanopia

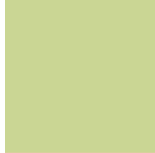
63.7742, 0.2761, 0.3090

# Trichromacy



## Original Color

63.9040, 0.3156, 0.4228



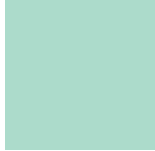
## Protanomaly

62.7878, 0.3494, 0.4081



## Deuteranomaly

62.4483, 0.3556, 0.3908



## Tritanomaly

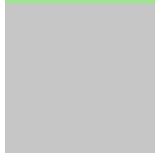
63.7455, 0.2905, 0.3486

# Monochromacy



## Original Color

63.9040, 0.3156, 0.4228



## Achromatopsia

56.4712, 0.3127, 0.3290



## Achromatomaly

58.7622, 0.3141, 0.3626

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.9040, 0.3156, 0.4228 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(163, 225, 152)` looks like.

```
.text, #text, p{  
    color:rgb(163, 225, 152)  
}
```

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(163, 225, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 225, 152) }
```

## Border

The CSS property to change the border of an element to Yxy 63.9040, 0.3156, 0.4228 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(163, 225, 152) }
```

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

```
.border{ border-color:rgb(163, 225, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 225, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 225, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 225, 152);  
box-shadow:4px 4px 4px 4px rgb(163, 225,  
152) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.9040, 0.3156, 0.4228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 225, 152) }
```

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

```
.background{ background-color: rgb(163,  
225, 152) }
```

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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