

# Converting Colors

Yxy(60.4458, 0.3384, 0.4455)

Have a look what the booklet for  
Yxy(60.4458, 0.3384, 0.4455)  
contains.

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# Color

**Yxy(60.4458, 0.3384, 0.4455)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ACDA7F
RGB	172, 218, 127
RGB Percent	67%, 85%, 50%
CMY	0.3255, 0.1451, 0.5020
CMYK	0.21, 0.00, 0.42, 0.15
HSL	90°, 55%, 68%
HSV	90°, 42%, 85%
XYZ	45.9144, 60.4458, 29.3206
YIQ	193.8720, 1.7950, -38.0530

# Conversions

## Conversions Part 2

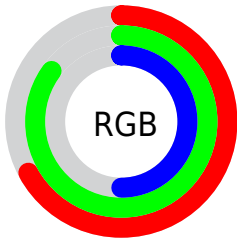
Format	Color
<a href="#">RYB</a>	<a href="#">127, 218, 173</a>
Decimal	<a href="#">11328127</a>
CIELab	<a href="#">82.08, -30.44, 39.95</a>
CIElCh	<a href="#">82, 50.226, 127.303</a>
Yxy	<a href="#">60.4458, 0.3384, 0.4455</a>
Android (android.graphics.Color)	<a href="#">4289518207</a> ( <a href="#">0xFFACDA7F</a> )
YUV	<a href="#">193.8720, -32.9679, -19.1817</a>
Hunter-Lab	<a href="#">77.7469, -30.6417, 32.0628</a>

# Details

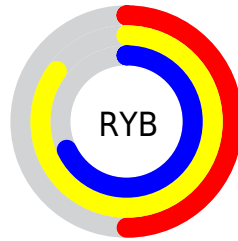
The Yxy color **60.4458, 0.3384, 0.4455** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **29.1213, 0.2744, 0.2132**, and the grayscale version is **54.0674, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5142, 0.3392, 0.4062**, and **30.5677, 0.3416, 0.4774** is the 20% darker color. If you saturate the color by 10%, you get **58.7446, 0.3425, 0.4753**, and if you desaturate by 10%, it is **62.3786, 0.3331, 0.4155**.

# Distribution



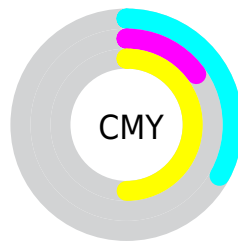
- Red (67%)
- Green (85%)
- Blue (50%)



- Red (50%)
- Yellow (85%)
- Blue (68%)



- Cyan (21%)
- Magenta (0%)
- Yellow (42%)
- Black (15%)




- Cyan (33%)
- Magenta (15%)
- Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.4458, 0.3384, 0.4455 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 60.4458, 0.3384, 0.4455 by changing the saturation by 10% instead.



 60.4458, 0.3384,  
0.4455


 60.4458, 0.3384,  
0.4455


426.2390, 0.3283,  
0.3874

 43.7781, 0.3400,  
0.4597


 105.4761, 0.3354,  
0.4246

 30.4961, 0.3416,  
0.4776


 134.6074, 0.3341,  
0.4166

 20.2154, 0.3427,  
0.5008


 168.6621, 0.3328,  
0.4099

 12.5517, 0.3426,  
0.5317

208.0245, 0.3317,  
0.4041

 7.1206, 0.3389,  
0.5742

253.0789, 0.3308,  
0.3991

 3.5376, 0.3394,  
0.6606

304.2099, 0.3299,

 1.4184, 0.2713,

0.3947

0.7287

361.8018, 0.3290,  
0.3909

■ 0.2303, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 60.4458, 0.3384,  
0.4455

■ 60.4458, 0.3384,  
0.4455

■ 58.7446, 0.3425,  
0.4753

■ 62.3786, 0.3331,  
0.4155

■ 57.2567, 0.3449,  
0.5035

■ 64.5449, 0.3270,  
0.3863

■ 55.9730, 0.3453,  
0.5285


■ 66.9563, 0.3205,  
0.3587

■ 54.8807, 0.3434,  
0.5488

■ 69.6213, 0.3139,  
0.3332

 53.9646, 0.3395,  
0.5636

 72.5481, 0.3073,  
0.3100

 53.3222, 0.3351,  
0.5721

 75.5632, 0.3027,  
0.2917

 77.5306, 0.3103,  
0.2926

 78.6260, 0.3144,  
0.2930

# Harmonies

## Analogous

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



60.4458, 0.3965, 0.4366



60.4458, 0.3384, 0.4455



60.4458, 0.2765, 0.4121

# Triad

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



60.4458, 0.3384, 0.4455



60.4458, 0.2025, 0.2453



60.4458, 0.4026, 0.3032

# Complementary

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



60.4458, 0.3384, 0.4455



29.1213, 0.2744, 0.2132

# Split Complementary

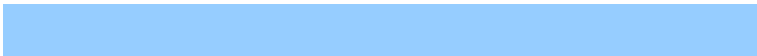
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



60.4458, 0.3412, 0.2627



60.4458, 0.3384, 0.4455



60.4458, 0.2282, 0.2295

# Square

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



60.4458, 0.3384, 0.4455



60.4458, 0.2019, 0.2862



60.4458, 0.2769, 0.2365



60.4458, 0.4378, 0.3513



# Rectangle

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



60.4458, 0.3384, 0.4455



60.4458, 0.2415, 0.3711



60.4458, 0.2769, 0.2365



60.4458, 0.3839, 0.2885

# Sweetspot

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



60.4484, 0.3384, 0.4455



95.0052, 0.3214, 0.3624



46.1327, 0.3960, 0.3838



20.1668, 0.3229, 0.3684



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

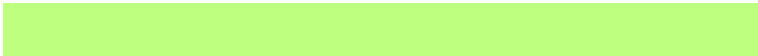


# Same Dimension

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



60.4484, 0.3384, 0.4455



84.0838, 0.3420, 0.4715



56.1890, 0.3067, 0.4576



14.9208, 0.3190, 0.3526



32.0074, 0.3362, 0.5713



2.1248, 0.3486, 0.5614



# Inverse Universe

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



29.1213, 0.2744, 0.2132



33.7278, 0.2638, 0.1876



35.1440, 0.3175, 0.2270



12.9390, 0.3060, 0.3054



5.0902, 0.2038, 0.0897



0.3810, 0.2215, 0.0994



# Previews

## White Background



This preview shows how the Yxy color 60.4458, 0.3384, 0.4455 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 60.4458, 0.3384, 0.4455 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 60.4458, 0.3384, 0.4455**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.4458, 0.3384, 0.4455.



This preview shows how white text looks on a background with the Yxy color 60.4458, 0.3384, 0.4455.

# 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

60.4458, 0.3384, 0.4455

### Protanopia

60.2788, 0.3885, 0.4217

### Deuteranopia

60.1086, 0.4045, 0.3964



## Tritanopia

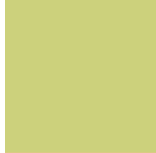
60.3925, 0.2869, 0.3100

# Trichromacy



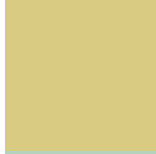
## Original Color

60.4458, 0.3384, 0.4455



## Protanomaly

59.8935, 0.3689, 0.4304



## Deuteranomaly

59.2290, 0.3791, 0.4136



## Tritanomaly

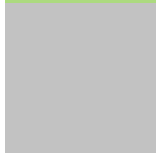
60.0431, 0.3062, 0.3576

# Monochromacy



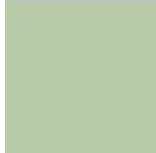
## Original Color

60.4458, 0.3384, 0.4455



## Achromatopsia

53.9479, 0.3127, 0.3290



## Achromatomaly

56.0533, 0.3232, 0.3707

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.4458, 0.3384, 0.4455 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(172, 218, 127)` looks like.

```
.text, #text, p{  
    color:rgb(172, 218, 127)  
}
```

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(172, 218, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 218, 127) }
```

## Border

The CSS property to change the border of an element to Yxy 60.4458, 0.3384, 0.4455 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(172, 218, 127) }
```

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

```
.border{ border-color:rgb(172, 218, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 218, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 218, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 218, 127);  
box-shadow:4px 4px 4px 4px rgb(172, 218,  
127) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.4458, 0.3384, 0.4455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 218, 127) }
```

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

```
.background{ background-color: rgb(172,  
218, 127) }
```

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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