

# Converting Colors

$Yxy(60.2705, 0.3160, 0.4296)$

Have a look what the booklet for  
Yxy(60.2705, 0.3160, 0.4296)  
contains.

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# Color

**Yxy(60.2679, 0.3160, 0.4296)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9CDC90
RGB	156, 220, 144
RGB Percent	61%, 86%, 56%
CMY	0.3884, 0.1372, 0.4352
CMYK	0.29, 0.00, 0.35, 0.14
HSL	111°, 52%, 71%
HSV	111°, 35%, 86%
XYZ	44.3311, 60.2679, 35.6894
YIQ	192.2000, -13.7480, -37.2040

# Conversions

## Conversions Part 2

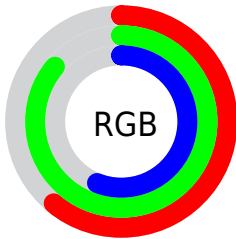
<b>Format</b>	<b>Color</b>
<b>RYB</b>	144, 220, 208
Decimal	10280080
CIELab	81.98, -34.59, 31.04
CIELCh	82, 46.472, 138.093
Yxy	60.2679, 0.3160, 0.4296
Android (android.graphics.Color)	4288470160 (0xFF9CDC90)
YUV	192.2000, -23.7626, -31.7474
Hunter-Lab	77.6324, -33.9262, 27.0857

# Details

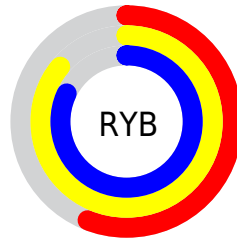
The Yxy color **60.2679, 0.3160, 0.4296** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **38.5432, 0.3057, 0.2408**, and the grayscale version is **52.9788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5943, 0.3184, 0.3903**, and **30.5254, 0.3141, 0.4585** is the 20% darker color. If you saturate the color by 10%, you get **57.9513, 0.3160, 0.4637**, and if you desaturate by 10%, it is **63.0032, 0.3154, 0.3971**.

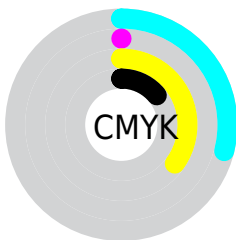
# Distribution



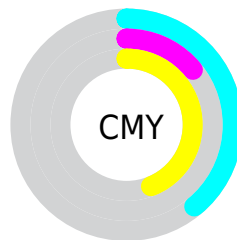
- Red (61%)
- Green (86%)
- Blue (56%)



- Red (56%)
- Yellow (86%)
- Blue (82%)



- Cyan (29%)
- Magenta (0%)
- Yellow (35%)
- Black (14%)




- Cyan (39%)
- Magenta (14%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.2679, 0.3160, 0.4296 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 60.2679, 0.3160, 0.4296 by changing the saturation by 10% instead.



 60.2679, 0.3160,  
0.4296


 60.2679, 0.3160,  
0.4296


425.5845, 0.3160,  
0.3789

 43.6346, 0.3155,  
0.4422


 105.2182, 0.3164,  
0.4112

 30.3834, 0.3145,  
0.4584


 134.3040, 0.3164,  
0.4043

 20.1297, 0.3128,  
0.4797


168.3094, 0.3164,  
0.3984

 12.4894, 0.3094,  
0.5089

207.6188, 0.3163,  
0.3934

 7.0779, 0.3025,  
0.5511

252.6166, 0.3163,  
0.3891

 3.5109, 0.2909,  
0.6238

303.6873, 0.3162,

 1.4039, 0.2289,

0.3853

0.7711

361.2151, 0.3161,  
0.3819

0.2196, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

60.2679, 0.3160,  
0.4296

60.2679, 0.3160,  
0.4296

57.9513, 0.3160,  
0.4637

63.0032, 0.3154,  
0.3971

56.0254, 0.3154,  
0.4979


66.1686, 0.3145,  
0.3671


54.4704, 0.3140,  
0.5301

69.7844, 0.3133,  
0.3402

53.2620, 0.3118,  
0.5578


73.8674, 0.3120,  
0.3164

 52.3726, 0.3089,  
0.5789

 78.4336, 0.3106,  
0.2955

 51.7702, 0.3057,  
0.5921

 79.6734, 0.3143,  
0.2950

 51.5426, 0.3042,  
0.5967

# Harmonies

## Analogous

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



60.2679, 0.3731, 0.4357



60.2679, 0.3160, 0.4296



60.2679, 0.2608, 0.3862

# Triad

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



60.2679, 0.3160, 0.4296



60.2679, 0.2157, 0.2431



60.2679, 0.4114, 0.3211

# Complementary

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



60.2679, 0.3160, 0.4296



38.5432, 0.3057, 0.2408

# 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.



60.2679, 0.3611, 0.2796



60.2679, 0.3160, 0.4296



60.2679, 0.2481, 0.2360

# Square

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



60.2679, 0.3160, 0.4296



60.2679, 0.2066, 0.2732



60.2679, 0.3002, 0.2494



60.2679, 0.4317, 0.3672



# Rectangle

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



60.2679, 0.3160, 0.4296



60.2679, 0.2325, 0.3457



60.2679, 0.3002, 0.2494



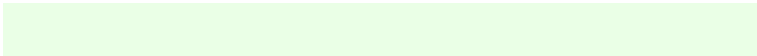
60.2679, 0.3972, 0.3064

# Sweetspot

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



60.2705, 0.3160, 0.4296



94.6134, 0.3140, 0.3548



62.0264, 0.3690, 0.4019



20.1004, 0.3142, 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.



60.2705, 0.3160, 0.4296



81.9368, 0.3161, 0.4527



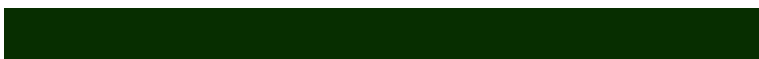
60.0024, 0.2929, 0.3967



14.7039, 0.3139, 0.3530



30.2768, 0.3048, 0.5962



1.9927, 0.3142, 0.5888



# Inverse Universe

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



38.5432, 0.3057, 0.2408



47.4561, 0.3037, 0.2235



39.0964, 0.3405, 0.2700



13.1660, 0.3113, 0.3058



9.1605, 0.2817, 0.1326



0.6219, 0.2885, 0.1363



# Previews

## White Background



This preview shows how the Yxy color 60.2679, 0.3160, 0.4296 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 60.2679, 0.3160, 0.4296 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 60.2679, 0.3160, 0.4296**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.2679, 0.3160, 0.4296.

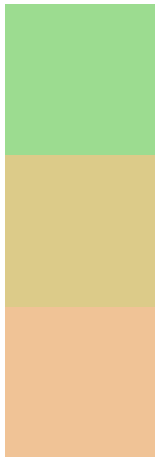


This preview shows how white text looks on a background with the Yxy color 60.2679, 0.3160, 0.4296.

# 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**

60.2679, 0.3160, 0.4296

**Protanopia**

59.7337, 0.3758, 0.4053

**Deuteranopia**

59.7575, 0.3861, 0.3785



## Tritanopia

60.1853, 0.2741, 0.3084

# Trichromacy



## Original Color

60.2679, 0.3160, 0.4296



## Protanomaly

59.3647, 0.3523, 0.4136



## Deuteranomaly

58.8792, 0.3580, 0.3960



## Tritanomaly

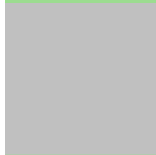
60.1237, 0.2893, 0.3504

# Monochromacy



## Original Color

60.2679, 0.3160, 0.4296



## Achromatopsia

52.7115, 0.3127, 0.3290



## Achromatomaly

54.9199, 0.3142, 0.3636

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.2679, 0.3160, 0.4296 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(156, 220, 144)` looks like.

```
.text, #text, p{  
    color:rgb(156, 220, 144)  
}
```

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(156, 220, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 220, 144) }
```

## Border

The CSS property to change the border of an element to Yxy 60.2679, 0.3160, 0.4296 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(156, 220, 144) }
```

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

```
.border{ border-color:rgb(156, 220, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 220, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 220, 144); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 220, 144); box-shadow:4px 4px 4px 4px rgb(156, 220, 144) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.2679, 0.3160, 0.4296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 220, 144) }
```

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

```
.background{ background-color: rgb(156,  
220, 144) }
```

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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