

# Converting Colors

Yxy(60.3534, 0.3255, 0.4432)

Have a look what the booklet for  
Yxy(60.3534, 0.3255, 0.4432)  
contains.

<b>Yxy(60.3534, 0.3255, 0.4432)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(60.3534, 0.3255, 0.4432)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A0DC85
RGB	160, 220, 133
RGB Percent	63%, 86%, 52%
CMY	0.3725, 0.1372, 0.4785
CMYK	0.27, 0.00, 0.40, 0.14
HSL	101°, 55%, 69%
HSV	101°, 40%, 86%
XYZ	44.3254, 60.3534, 31.4976
YIQ	192.1420, -7.8330, -39.7770

# Conversions

## Conversions Part 2

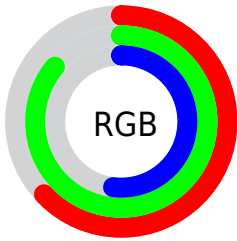
<b>Format</b>	<b>Color</b>
<b>RYB</b>	133, 220, 193
Decimal	10542213
CIELab	82.03, -34.80, 36.74
CIElCh	82, 50.610, 133.445
Yxy	60.3534, 0.3255, 0.4432
Android (android.graphics.Color)	4288732293 (0xFFA0DC85)
YUV	192.1420, -29.1570, -28.1885
Hunter-Lab	77.6875, -34.1079, 30.3427

# Details

The Yxy color **60.3534, 0.3255, 0.4432** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **33.2726, 0.2917, 0.2242**, and the grayscale version is **52.9789, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.7068, 0.3272, 0.4019**, and **30.5836, 0.3254, 0.4757** is the 20% darker color. If you saturate the color by 10%, you get **58.3412, 0.3271, 0.4757**, and if you desaturate by 10%, it is **62.6889, 0.3230, 0.4113**.

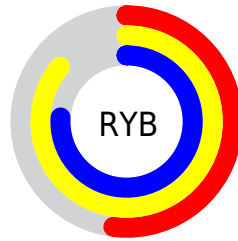
# Distribution



Red (63%)

Green (86%)

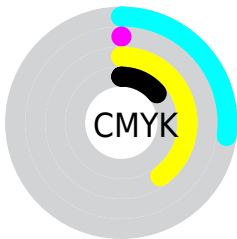
Blue (52%)



Red (52%)

Yellow (86%)

Blue (76%)

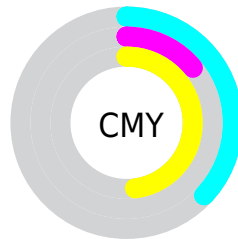


Cyan (27%)

Magenta (0%)

Yellow (40%)

Black (14%)



Cyan (37%)

Magenta (14%)


Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.3534, 0.3255, 0.4432 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 60.3534, 0.3255, 0.4432 by changing the saturation by 10% instead.



 60.3534, 0.3255,  
0.4432


 60.3534, 0.3255,  
0.4432


425.8992, 0.3214,  
0.3858


 43.7035, 0.3258,  
0.4574


 105.3421, 0.3246,  
0.4224

 30.4375, 0.3257,  
0.4755


 134.4498, 0.3241,  
0.4145

 20.1709, 0.3248,  
0.4992

 168.4789, 0.3236,  
0.4079

 12.5193, 0.3222,  
0.5313

207.8138, 0.3231,  
0.4022

 7.0984, 0.3155,  
0.5765

252.8389, 0.3226,  
0.3973

 3.5237, 0.3120,  
0.6716

303.9385, 0.3222,

 1.4109, 0.2278,

0.3930

0.7722

361.4972, 0.3218,  
0.3892

0.2247, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

60.3534, 0.3255,  
0.4432

60.3534, 0.3255,  
0.4432

58.3412, 0.3271,  
0.4757

62.6889, 0.3230,  
0.4113

56.6295, 0.3274,  
0.5073

65.3536, 0.3198,  
0.3810


55.2049, 0.3263,  
0.5359

68.3631, 0.3163,  
0.3532


54.0495, 0.3236,  
0.5597


71.7296, 0.3125,  
0.3279

 53.1428, 0.3195,  
0.5771

 75.4648, 0.3088,  
0.3054

 52.4557, 0.3146,  
0.5882

 78.9195, 0.3116,  
0.2947

 52.4289, 0.3144,  
0.5886

 79.6677, 0.3143,  
0.2950

# Harmonies

## Analogous

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



60.3534, 0.3862, 0.4423



60.3534, 0.3255, 0.4432



60.3534, 0.2645, 0.4012

# Triad

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



60.3534, 0.3255, 0.4432



60.3534, 0.2050, 0.2394



60.3534, 0.4134, 0.3125

# Complementary

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



60.3534, 0.3255, 0.4432



33.2726, 0.2917, 0.2242

# 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.



60.3534, 0.3551, 0.2696



60.3534, 0.3255, 0.4432



60.3534, 0.2358, 0.2285

# Square

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



60.3534, 0.3255, 0.4432



60.3534, 0.1991, 0.2753



60.3534, 0.2890, 0.2398



60.3534, 0.4413, 0.3616



# Rectangle

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



60.3534, 0.3255, 0.4432



60.3534, 0.2319, 0.3575



60.3534, 0.2890, 0.2398



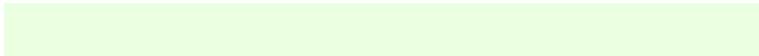
60.3534, 0.3964, 0.2972

# Sweetspot

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



60.3560, 0.3255, 0.4432



94.3999, 0.3172, 0.3600



54.8051, 0.3833, 0.3986



20.0845, 0.3177, 0.3636



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

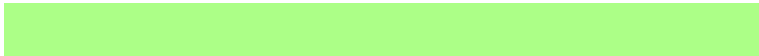


# Same Dimension

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



60.3560, 0.3255, 0.4432



82.0871, 0.3268, 0.4687



58.3411, 0.2979, 0.4272



14.8014, 0.3162, 0.3528



30.8213, 0.3153, 0.5878



2.0416, 0.3278, 0.5779



# Inverse Universe

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



33.2726, 0.2917, 0.2242



39.4600, 0.2860, 0.2031



36.3493, 0.3326, 0.2477



13.0614, 0.3089, 0.3056



6.9927, 0.2441, 0.1118

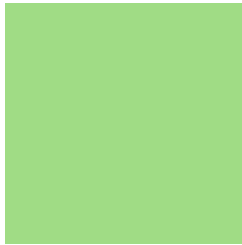


0.4978, 0.2569, 0.1189



# Previews

## White Background



This preview shows how the Yxy color 60.3534, 0.3255, 0.4432 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 60.3534, 0.3255, 0.4432 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

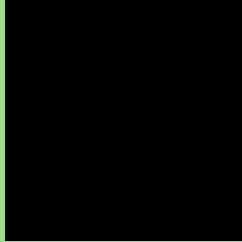
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 60.3534, 0.3255, 0.4432**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.3534, 0.3255, 0.4432.

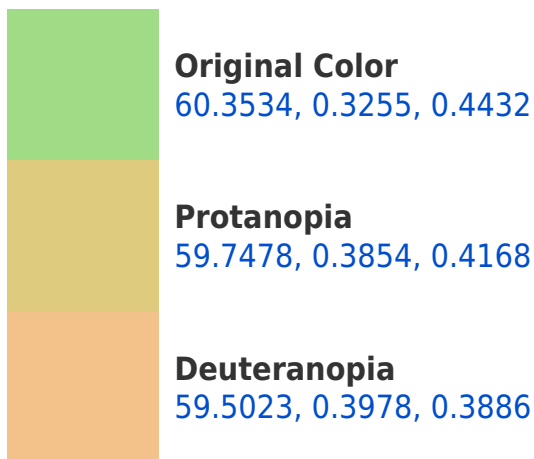


This preview shows how white text looks on a background with the Yxy color 60.3534, 0.3255, 0.4432.

# 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

60.2059, 0.2778, 0.3085

# Trichromacy



## Original Color

60.3534, 0.3255, 0.4432



## Protanomaly

59.3280, 0.3614, 0.4262



## Deuteranomaly

58.6641, 0.3698, 0.4069



## Tritanomaly

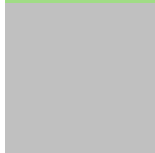
59.9403, 0.2958, 0.3554

# Monochromacy



## Original Color

60.3534, 0.3255, 0.4432



## Achromatopsia

52.7115, 0.3127, 0.3290



## Achromatomaly

54.8846, 0.3178, 0.3688

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  60.3534, 0.3255, 0.4432 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(160, 220, 133)` looks like.

```
.text, #text, p{  
    color:rgb(160, 220, 133)  
}
```

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(160, 220, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 220, 133) }
```

## Border

The CSS property to change the border of an element to Yxy 60.3534, 0.3255, 0.4432 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(160, 220, 133) }
```

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

```
.border{ border-color:rgb(160, 220, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 220, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 220, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 220, 133);  
box-shadow:4px 4px 4px 4px rgb(160, 220,  
133) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.3534, 0.3255, 0.4432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 220, 133) }
```

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

```
.background{ background-color: rgb(160,  
220, 133) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor