

# Converting Colors

$Yxy(60.0985, 0.3510, 0.4348)$

Have a look what the booklet for  
Yxy(60.0985, 0.3510, 0.4348)  
contains.

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# Color

**Yxy(60.3430, 0.3514, 0.4356)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BCD680
RGB	188, 214, 128
RGB Percent	74%, 84%, 50%
CMY	0.2628, 0.1607, 0.4980
CMYK	0.12, 0.00, 0.40, 0.16
HSL	78°, 51%, 67%
HSV	78°, 40%, 84%
XYZ	48.6789, 60.3430, 29.5066
YIQ	196.4220, 12.1100, -32.2580

# Conversions

## Conversions Part 2

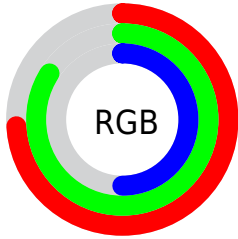
<b>Format</b>	<b>Color</b>
<b>RYB</b>	128, 214, 154
Decimal	12375680
CIELab	82.02, -22.48, 39.58
CIELCh	82, 45.520, 119.591
Yxy	60.3430, 0.3514, 0.4356
Android (android.graphics.Color)	4290565760 (0xFFBCD680)
YUV	196.4220, -33.7320, -7.3861
Hunter-Lab	77.6808, -24.0837, 31.8556

# Details

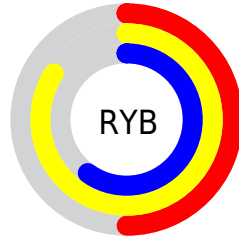
The Yxy color **60.3430, 0.3514, 0.4356** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **27.1704, 0.2604, 0.2131**, and the grayscale version is **55.6698, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.3099, 0.3494, 0.4025**, and **30.3186, 0.3581, 0.4638** is the 20% darker color. If you saturate the color by 10%, you get **59.0361, 0.3592, 0.4624**, and if you desaturate by 10%, it is **61.8111, 0.3424, 0.4080**.

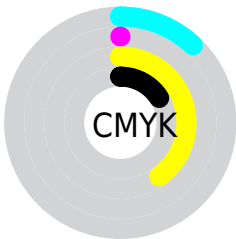
# Distribution



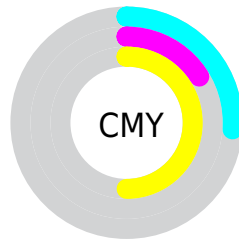
- Red (74%)
- Green (84%)
- Blue (50%)



- Red (50%)
- Yellow (84%)
- Blue (60%)



- Cyan (12%)
- Magenta (0%)
- Yellow (40%)
- Black (16%)




- Cyan (26%)
- Magenta (16%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.3430, 0.3514, 0.4356 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 60.3430, 0.3514, 0.4356 by changing the saturation by 10% instead.





 60.3430, 0.3514,  
0.4356


 60.3430, 0.3514,  
0.4356


425.8609, 0.3347,  
0.3831


 43.6952, 0.3547,  
0.4482


 105.3271, 0.3460,  
0.4168

 30.4309, 0.3584,  
0.4640


 134.4321, 0.3437,  
0.4097

 20.1659, 0.3624,  
0.4843


 168.4583, 0.3418,  
0.4036

 12.5157, 0.3662,  
0.5110

207.7901, 0.3400,  
0.3984

 7.0959, 0.3683,  
0.5470

252.8118, 0.3385,  
0.3938

 3.5222, 0.3791,  
0.6209

303.9080, 0.3371,

 1.4100, 0.3369,

0.3898

0.6631

361.4629, 0.3358,  
0.3863

0.2241, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

60.3430, 0.3514,  
0.4356

60.3430, 0.3514,  
0.4356

59.0361, 0.3592,  
0.4624

61.8111, 0.3424,  
0.4080

57.8742, 0.3652,  
0.4872


63.4396, 0.3327,  
0.3807


56.8512, 0.3691,  
0.5089


65.2380, 0.3228,  
0.3543

55.9570, 0.3705,  
0.5264

67.2128, 0.3129,  
0.3294

 55.1797, 0.3694,  
0.5391


 69.3698, 0.3033,  
0.3064

 54.5099, 0.3664,  
0.5473

 71.6234, 0.2950,  
0.2866

 72.6956, 0.2995,  
0.2872

 73.8078, 0.3039,  
0.2877

 74.9605, 0.3085,  
0.2883

# Harmonies

## Analogous

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



60.3430, 0.4007, 0.4206



60.3430, 0.3514, 0.4356



60.3430, 0.2942, 0.4148

# Triad

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



60.3430, 0.3514, 0.4356



60.3430, 0.2092, 0.2604



60.3430, 0.3814, 0.2952

# Complementary

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



60.3430, 0.3514, 0.4356



27.1704, 0.2604, 0.2131

# 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.



60.3430, 0.3233, 0.2605



60.3430, 0.3514, 0.4356



60.3430, 0.2271, 0.2395

# Square

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



60.3430, 0.3514, 0.4356



60.3430, 0.2150, 0.3038



60.3430, 0.2671, 0.2405



60.3430, 0.4211, 0.3386



# Rectangle

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



60.3430, 0.3514, 0.4356



60.3430, 0.2596, 0.3822



60.3430, 0.2671, 0.2405



60.3430, 0.3631, 0.2824

# Sweetspot

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



60.3457, 0.3514, 0.4356



96.4692, 0.3247, 0.3593



38.9049, 0.4006, 0.3612



20.5711, 0.3260, 0.3627



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.



60.3457, 0.3514, 0.4356



88.1010, 0.3580, 0.4579



55.6955, 0.3187, 0.4476



14.3226, 0.3220, 0.3524



33.0012, 0.3671, 0.5467



2.0328, 0.3764, 0.5393



# Inverse Universe

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



27.1704, 0.2604, 0.2131



32.3922, 0.2466, 0.1863



32.1412, 0.3005, 0.2255



12.1891, 0.3028, 0.3052



3.6569, 0.1710, 0.0716



0.2635, 0.1900, 0.0820



# Previews

## White Background



This preview shows how the Yxy color 60.3430, 0.3514, 0.4356 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 60.3430, 0.3514, 0.4356 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

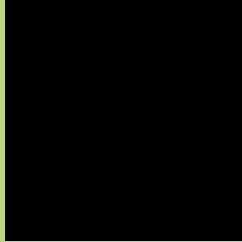
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 60.3430, 0.3514, 0.4356**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.3430, 0.3514, 0.4356.



This preview shows how white text looks on a background with the Yxy color 60.3430, 0.3514, 0.4356.

# 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

60.3430, 0.3514, 0.4356

### Protanopia

60.1706, 0.3863, 0.4199

### Deuteranopia

60.1086, 0.4045, 0.3964



## Tritanopia

60.1057, 0.2993, 0.3104

# Trichromacy



## Original Color

60.3430, 0.3514, 0.4356

## Protanomaly

60.2941, 0.3737, 0.4265

## Deuteranomaly

59.7270, 0.3840, 0.4098

## Tritanomaly

59.9066, 0.3191, 0.3544

# Monochromacy



## Original Color

60.3430, 0.3514, 0.4356

## Achromatopsia

55.2011, 0.3127, 0.3290

## Achromatomaly

56.9896, 0.3281, 0.3688

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.3430, 0.3514, 0.4356 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(188, 214, 128)` looks like.

```
.text, #text, p{  
    color:rgb(188, 214, 128)  
}
```

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(188, 214, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 214, 128) }
```

## Border

The CSS property to change the border of an element to Yxy 60.3430, 0.3514, 0.4356 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(188, 214, 128) }
```

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

```
.border{ border-color:rgb(188, 214, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 214, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 214, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 214, 128);  
box-shadow:4px 4px 4px 4px rgb(188, 214,  
128) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.3430, 0.3514, 0.4356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 214, 128) }
```

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

```
.background{ background-color: rgb(188,  
214, 128) }
```

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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