

# Converting Colors

$Yxy(47.4659, 0.3562, 0.4562)$

Have a look what the booklet for  
Yxy(47.4659, 0.3562, 0.4562)  
contains.

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# Color

**Yxy(47.5225, 0.3566, 0.4560)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A5C265
RGB	165, 194, 101
RGB Percent	65%, 76%, 40%
CMY	0.3528, 0.2392, 0.6038
CMYK	0.15, 0.00, 0.48, 0.24
HSL	79°, 43%, 58%
HSV	79°, 48%, 76%
XYZ	37.1634, 47.5225, 19.5301
YIQ	174.7270, 12.5690, -35.0710

# Conversions

## Conversions Part 2

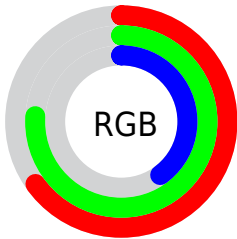
<b>Format</b>	<b>Color</b>
<b>RYB</b>	101, 194, 130
Decimal	10863205
CIELab	74.52, -24.56, 43.28
CIELCh	75, 49.767, 119.577
Yxy	47.5225, 0.3566, 0.4560
Android (android.graphics.Color)	4289053285 (0xFFA5C265)
YUV	174.7270, -36.3474, -8.5306
Hunter-Lab	68.9366, -24.4103, 31.4584

# Details

The Yxy color **47.5225, 0.3566, 0.4560** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **17.9503, 0.2489, 0.1893**, and the grayscale version is **42.9123, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6996, 0.3499, 0.4325**, and **22.3660, 0.3641, 0.4933** is the 20% darker color. If you saturate the color by 10%, you get **46.5551, 0.3630, 0.4815**, and if you desaturate by 10%, it is **48.6145, 0.3487, 0.4289**.

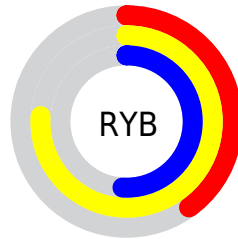
# Distribution



Red (65%)

Green (76%)

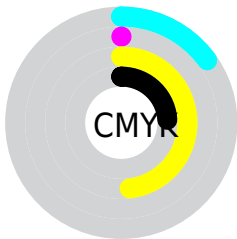
Blue (40%)



Red (40%)

Yellow (76%)

Blue (51%)

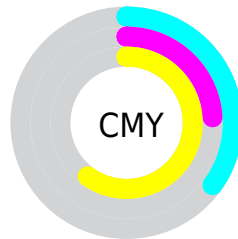


Cyan (15%)

Magenta (0%)

Yellow (48%)

Black (24%)



Cyan (35%)

Magenta (24%)


Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.5225, 0.3566, 0.4560 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 47.5225, 0.3566, 0.4560 by changing the saturation by 10% instead.




 47.5225, 0.3566,  
0.4560


 47.5225, 0.3566,  
0.4560


376.8963, 0.3375,  
0.3909

 33.4489, 0.3601,  
0.4722


 86.4930, 0.3505,  
0.4322

 22.4706, 0.3638,  
0.4928


 112.1587, 0.3479,  
0.4233

 14.2031, 0.3671,  
0.5196


 142.4573, 0.3457,  
0.4158

 8.2620, 0.3683,  
0.5548

 177.7731, 0.3436,  
0.4094

 4.2631, 0.3762,  
0.6238

218.4905, 0.3418,  
0.4038

 1.8218, 0.3383,  
0.6617

264.9939, 0.3402,

 0.5007, 0.0000,

0.3990

1.0000

317.6677, 0.3388,  
0.3947

0.0000, 0.0000,  
0.0000

47.5225, 0.3566,  
0.4560

47.5225, 0.3566,  
0.4560

46.5551, 0.3630,  
0.4815

48.6145, 0.3487,  
0.4289

45.6991, 0.3673,  
0.5041

49.8310, 0.3397,  
0.4014

44.9490, 0.3692,  
0.5229


51.1798, 0.3301,  
0.3744

44.2958, 0.3687,  
0.5370

52.6662, 0.3204,  
0.3484

43.7263, 0.3659,  
0.5465

54.2951, 0.3107,  
0.3241

 43.6144, 0.3652,  
0.5482

 56.0713, 0.3014,  
0.3016

 57.9993, 0.2926,  
0.2810

 60.0046, 0.2850,  
0.2636

 60.9274, 0.2893,  
0.2644

# Harmonies

## Analogous

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



47.5225, 0.4149, 0.4353



47.5225, 0.3566, 0.4560



47.5225, 0.2898, 0.4325

# Triad

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



47.5225, 0.3566, 0.4560



47.5225, 0.1928, 0.2479



47.5225, 0.3939, 0.2891

# Complementary

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



47.5225, 0.3566, 0.4560



17.9503, 0.2489, 0.1893

# 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.



47.5225, 0.3245, 0.2496



47.5225, 0.3566, 0.4560



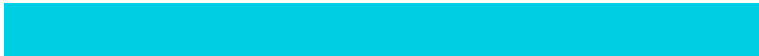
47.5225, 0.2132, 0.2249

# Square

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



47.5225, 0.3566, 0.4560



47.5225, 0.1990, 0.2980



47.5225, 0.2588, 0.2267



47.5225, 0.4411, 0.3385



# Rectangle

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



47.5225, 0.3566, 0.4560



47.5225, 0.2496, 0.3926



47.5225, 0.2588, 0.2267



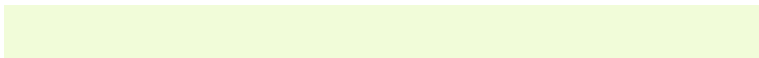
47.5225, 0.3719, 0.2745

# Sweetspot

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



47.5246, 0.3566, 0.4560



93.6974, 0.3265, 0.3646



28.0861, 0.4237, 0.3669



20.3920, 0.3287, 0.3704



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.



47.5246, 0.3566, 0.4560



84.1870, 0.3635, 0.4839



43.4873, 0.3189, 0.4728



11.5959, 0.3218, 0.3521



28.7215, 0.3659, 0.5477



1.2761, 0.3782, 0.5379



# Inverse Universe

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



17.9503, 0.2489, 0.1893



24.0117, 0.2303, 0.1550



22.3662, 0.2973, 0.2067



9.8968, 0.3031, 0.3055



3.2401, 0.1726, 0.0724



0.1773, 0.1984, 0.0867



# Previews

## White Background



This preview shows how the Yxy color 47.5225, 0.3566, 0.4560 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 47.5225, 0.3566, 0.4560 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

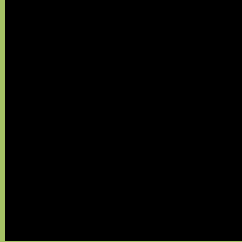
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 47.5225, 0.3566, 0.4560**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.5225, 0.3566, 0.4560.



This preview shows how white text looks on a background with the Yxy color 47.5225, 0.3566, 0.4560.

# 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

47.5225, 0.3566, 0.4560

### Protanopia

47.2866, 0.3990, 0.4343

### Deuteranopia

47.3885, 0.4170, 0.4086



## Tritanopia

47.2913, 0.2963, 0.3097

# Trichromacy



## Original Color

47.5225, 0.3566, 0.4560

## Protanomaly

47.2413, 0.3838, 0.4427

## Deuteranomaly

47.0119, 0.3945, 0.4256

## Tritanomaly

47.0692, 0.3196, 0.3614

# Monochromacy



## Original Color

47.5225, 0.3566, 0.4560

## Achromatopsia

42.8690, 0.3127, 0.3290

## Achromatomaly

44.2519, 0.3304, 0.3762

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.5225, 0.3566, 0.4560 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(165, 194, 101)` looks like.

```
.text, #text, p{  
    color:rgb(165, 194, 101)  
}
```

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(165, 194, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 194, 101) }
```

## Border

The CSS property to change the border of an element to Yxy 47.5225, 0.3566, 0.4560 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(165, 194, 101) }
```

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

```
.border{ border-color:rgb(165, 194, 101) }
```

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

Here you see how a box with a 4 pixel rgb(165, 194, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 194, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 194, 101);  
box-shadow:4px 4px 4px 4px rgb(165, 194,  
101) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.5225, 0.3566, 0.4560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 194, 101) }
```

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

```
.background{ background-color: rgb(165,  
194, 101) }
```

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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