

# Converting Colors

$Yxy(48.3069, 0.3550, 0.4387)$

Have a look what the booklet for  
Yxy(48.3069, 0.3550, 0.4387)  
contains.

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# Color

**Yxy(48.5241, 0.3554, 0.4396)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ACC270
RGB	172, 194, 112
RGB Percent	67%, 76%, 44%
CMY	0.3255, 0.2392, 0.5608
CMYK	0.11, 0.00, 0.42, 0.24
HSL	76°, 40%, 60%
HSV	76°, 42%, 76%
XYZ	39.2299, 48.5241, 22.6284
YIQ	178.0740, 13.2100, -30.1660

# Conversions

## Conversions Part 2

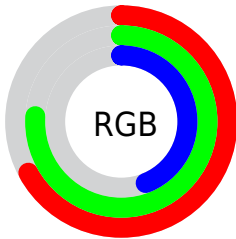
<b>Format</b>	<b>Color</b>
<b>RYB</b>	112, 194, 134
Decimal	11321968
CIELab	75.15, -20.63, 38.70
CIELCh	75, 43.853, 118.066
Yxy	48.5241, 0.3554, 0.4396
Android (android.graphics.Color)	4289512048 (0xFFACC270)
YUV	178.0740, -32.5745, -5.3269
Hunter-Lab	69.6592, -21.3781, 29.5015

# Details

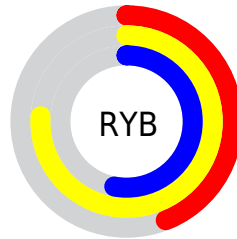
The Yxy color **48.5241, 0.3554, 0.4396** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **20.5537, 0.2547, 0.2064**, and the grayscale version is **44.7337, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2050, 0.3486, 0.4195**, and **22.9555, 0.3636, 0.4711** is the 20% darker color. If you saturate the color by 10%, you get **47.5620, 0.3635, 0.4654**, and if you desaturate by 10%, it is **49.6067, 0.3460, 0.4127**.

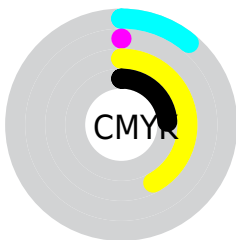
# Distribution



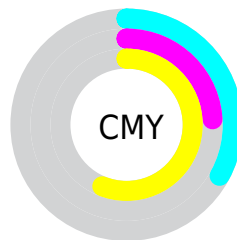
- Red (67%)
- Green (76%)
- Blue (44%)



- Red (44%)
- Yellow (76%)
- Blue (53%)



- Cyan (11%)
- Magenta (0%)
- Yellow (42%)
- Black (24%)




- Cyan (33%)
- Magenta (24%)
- Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.5241, 0.3554, 0.4396 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 48.5241, 0.3554, 0.4396 by changing the saturation by 10% instead.




 48.5241, 0.3554,  
0.4396

 48.5241, 0.3554,  
0.4396

380.8658, 0.3361,  
0.3832


 34.2421, 0.3593,  
0.4537


 87.9842, 0.3490,  
0.4190


 23.0797, 0.3637,  
0.4716


 113.9312, 0.3464,  
0.4113

 14.6523, 0.3684,  
0.4949


 144.5352, 0.3442,  
0.4048

 8.5758, 0.3725,  
0.5262

 180.1807, 0.3422,  
0.3993

 4.4655, 0.3793,  
0.5783

221.2522, 0.3404,  
0.3944

 1.9372, 0.3656,  
0.6344

268.1339, 0.3388,

 0.5706, 0.0635,

0.3902

0.9365

321.2103, 0.3374,  
0.3865

0.0000, 0.0000,  
0.0000

48.5241, 0.3554,  
0.4396

48.5241, 0.3554,  
0.4396

47.5620, 0.3635,  
0.4654

49.6067, 0.3460,  
0.4127

46.7077, 0.3698,  
0.4890

50.8090, 0.3359,  
0.3857

45.9563, 0.3738,  
0.5092


52.1386, 0.3255,  
0.3594


45.2997, 0.3754,  
0.5251

53.6005, 0.3150,  
0.3344


44.7284, 0.3745,  
0.5363


55.1992, 0.3049,  
0.3111

 44.3315, 0.3725,  
0.5425

 56.9393, 0.2952,  
0.2896

 58.8250, 0.2861,  
0.2700

 60.0488, 0.2852,  
0.2636

 60.8430, 0.2889,  
0.2643

# Harmonies

## Analogous

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



48.5241, 0.4057, 0.4220



48.5241, 0.3554, 0.4396



48.5241, 0.2963, 0.4203

# Triad

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



48.5241, 0.3554, 0.4396



48.5241, 0.2056, 0.2596



48.5241, 0.3811, 0.2920

# Complementary

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



48.5241, 0.3554, 0.4396



20.5537, 0.2547, 0.2064

# 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.



48.5241, 0.3203, 0.2569



48.5241, 0.3554, 0.4396



48.5241, 0.2228, 0.2371

# Square

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



48.5241, 0.3554, 0.4396



48.5241, 0.2128, 0.3055



48.5241, 0.2629, 0.2372



48.5241, 0.4237, 0.3363



# Rectangle

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



48.5241, 0.3554, 0.4396



48.5241, 0.2601, 0.3872



48.5241, 0.2629, 0.2372



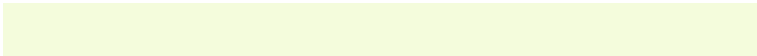
48.5241, 0.3618, 0.2789

# Sweetspot

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



48.5263, 0.3554, 0.4396



94.2210, 0.3265, 0.3618



29.6545, 0.4077, 0.3589



20.5113, 0.3288, 0.3677



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

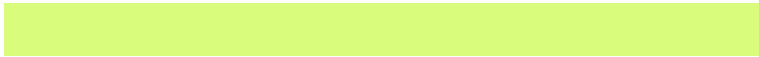


# Same Dimension

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



48.5263, 0.3554, 0.4396



86.2417, 0.3631, 0.4643



44.5918, 0.3209, 0.4529



11.6180, 0.3224, 0.3520



29.1871, 0.3731, 0.5420



1.2934, 0.3839, 0.5334



# Inverse Universe

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



20.5537, 0.2547, 0.2064



28.6916, 0.2381, 0.1754



24.5837, 0.2968, 0.2199



9.8758, 0.3024, 0.3055



3.0768, 0.1673, 0.0695



0.1681, 0.1923, 0.0833



# Previews

## White Background



This preview shows how the Yxy color 48.5241, 0.3554, 0.4396 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

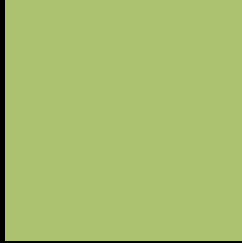
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.5241, 0.3554, 0.4396 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

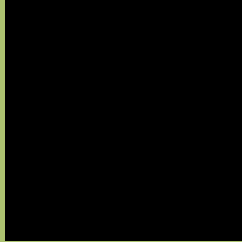
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.5241, 0.3554, 0.4396**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.5241, 0.3554, 0.4396.



This preview shows how white text looks on a background with the Yxy color 48.5241, 0.3554, 0.4396.

# 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

48.5241, 0.3554, 0.4396

### Protanopia

48.3586, 0.3891, 0.4231

### Deuteranopia

47.9996, 0.4082, 0.3990



## Tritanopia

48.4255, 0.3012, 0.3112

# Trichromacy



## Original Color

48.5241, 0.3554, 0.4396

## Protanomaly

48.1686, 0.3766, 0.4290

## Deuteranomaly

47.9421, 0.3874, 0.4134

## Tritanomaly

48.3402, 0.3214, 0.3568

# Monochromacy



## Original Color

48.5241, 0.3554, 0.4396

## Achromatopsia

44.5201, 0.3127, 0.3290

## Achromatomaly

45.8442, 0.3297, 0.3697

# CSS Examples

## Text

The CSS property to change the color of the text to Xyz 48.5241, 0.3554, 0.4396 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, 194, 112)` looks like.

```
.text, #text, p{  
    color:rgb(172, 194, 112)  
}
```

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, 194, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 194, 112) }
```

## Border

The CSS property to change the border of an element to Yxy 48.5241, 0.3554, 0.4396 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, 194, 112) }
```

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

```
.border{ border-color:rgb(172, 194, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 194, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 194, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 194, 112);  
box-shadow:4px 4px 4px 4px rgb(172, 194,  
112) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.5241, 0.3554, 0.4396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 194, 112) }
```

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

```
.background{ background-color: rgb(172,  
194, 112) }
```

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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