

# Converting Colors

Yxy(50.5454, 0.3566, 0.4527)

Have a look what the booklet for  
Yxy(50.5454, 0.3566, 0.4527)  
contains.

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# Color

**Yxy(50.5454, 0.3566, 0.4527)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABC76A
RGB	171, 199, 106
RGB Percent	67%, 78%, 42%
CMY	0.3295, 0.2196, 0.5843
CMYK	0.14, 0.00, 0.47, 0.22
HSL	78°, 45%, 60%
HSV	78°, 47%, 78%
XYZ	39.8155, 50.5454, 21.2923
YIQ	180.0260, 13.1650, -34.8590

# Conversions

## Conversions Part 2

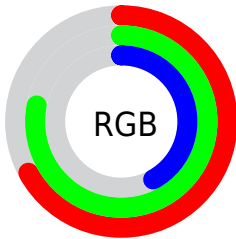
Format	Color
<a href="#">RYB</a>	<a href="#">106, 199, 134</a>
Decimal	<a href="#">11257706</a>
CIELab	<a href="#">76.40, -24.17, 43.23</a>
CIElCh	<a href="#">76, 49.527, 119.211</a>
Yxy	<a href="#">50.5454, 0.3566, 0.4527</a>
Android (android.graphics.Color)	<a href="#">4289447786 (0xFFABC76A)</a>
YUV	<a href="#">180.0260, -36.4948, -7.9158</a>
Hunter-Lab	<a href="#">71.0953, -24.4513, 32.0100</a>

# Details

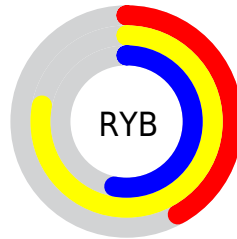
The Yxy color **50.5454, 0.3566, 0.4527** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **19.5028, 0.2498, 0.1926**, and the grayscale version is **45.8497, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.5172, 0.3509, 0.4292**, and **24.3085, 0.3644, 0.4880** is the 20% darker color. If you saturate the color by 10%, you get **49.5222, 0.3633, 0.4783**, and if you desaturate by 10%, it is **51.6997, 0.3483, 0.4256**.

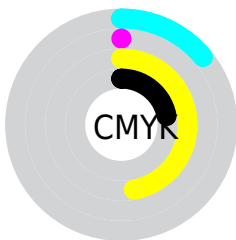
# Distribution



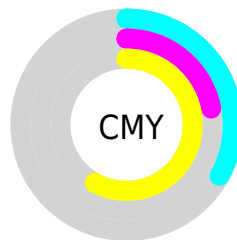
- Red (67%)
- Green (78%)
- Blue (42%)



- Red (42%)
- Yellow (78%)
- Blue (53%)



- Cyan (14%)
- Magenta (0%)
- Yellow (47%)
- Black (22%)




- Cyan (33%)
- Magenta (22%)
- Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.5454, 0.3566, 0.4527 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 50.5454, 0.3566, 0.4527 by changing the saturation by 10% instead.




 50.5454, 0.3566,  
0.4527


 50.5454, 0.3566,  
0.4527


388.7950, 0.3375,  
0.3900

 35.8469, 0.3602,  
0.4682


 90.9824, 0.3505,  
0.4300

 24.3160, 0.3640,  
0.4877


 117.4898, 0.3479,  
0.4214

 15.5682, 0.3675,  
0.5129


 148.7023, 0.3457,  
0.4141

 9.2191, 0.3696,  
0.5461

 185.0043, 0.3437,  
0.4079

 4.8844, 0.3755,  
0.6046

226.7801, 0.3419,  
0.4025

 2.1796, 0.3496,  
0.6504

274.4143, 0.3403,

 0.7088, 0.1056,

0.3978

0.8944

328.2911, 0.3388,  
0.3937

0.0000, 0.0000,  
0.0000

50.5454, 0.3566,  
0.4527

50.5454, 0.3566,  
0.4527

49.5222, 0.3633,  
0.4783

51.6997, 0.3483,  
0.4256

48.6163, 0.3681,  
0.5011

52.9849, 0.3391,  
0.3982

47.8219, 0.3705,  
0.5202


54.4092, 0.3293,  
0.3712

47.1296, 0.3703,  
0.5346


55.9781, 0.3193,  
0.3455


46.5274, 0.3678,  
0.5443


57.6970, 0.3096,  
0.3213

 46.3432, 0.3668,  
0.5470

 59.5707, 0.3001,  
0.2990

 61.6039, 0.2912,  
0.2786

 63.1261, 0.2892,  
0.2697

 64.0731, 0.2934,  
0.2705

# Harmonies

## Analogous

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



50.5454, 0.4133, 0.4326



50.5454, 0.3566, 0.4527



50.5454, 0.2913, 0.4302

# Triad

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



50.5454, 0.3566, 0.4527



50.5454, 0.1953, 0.2503



50.5454, 0.3911, 0.2895

# Complementary

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



50.5454, 0.3566, 0.4527



19.5028, 0.2498, 0.1926

# 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.



50.5454, 0.3234, 0.2510



50.5454, 0.3566, 0.4527



50.5454, 0.2150, 0.2274

# Square

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



50.5454, 0.3566, 0.4527



50.5454, 0.2018, 0.2997



50.5454, 0.2595, 0.2287



50.5454, 0.4375, 0.3379



# Rectangle

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



50.5454, 0.3566, 0.4527



50.5454, 0.2519, 0.3918



50.5454, 0.2595, 0.2287



50.5454, 0.3697, 0.2752

# Sweetspot

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



50.5476, 0.3566, 0.4527



95.9263, 0.3268, 0.3646



30.2073, 0.4202, 0.3661



20.4078, 0.3289, 0.3703



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.



50.5476, 0.3566, 0.4527



86.6853, 0.3634, 0.4785



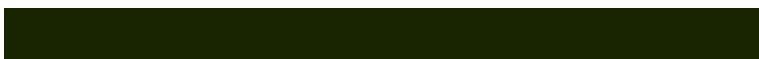
46.2224, 0.3189, 0.4690



12.2504, 0.3220, 0.3521



29.8436, 0.3675, 0.5464



1.4496, 0.3787, 0.5375



# Inverse Universe

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



19.5028, 0.2498, 0.1926



25.8449, 0.2326, 0.1606



24.1841, 0.2978, 0.2095



10.4399, 0.3029, 0.3054



3.3092, 0.1712, 0.0717



0.1951, 0.1949, 0.0847



# Previews

## White Background



This preview shows how the Yxy color 50.5454, 0.3566, 0.4527 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 50.5454, 0.3566, 0.4527 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

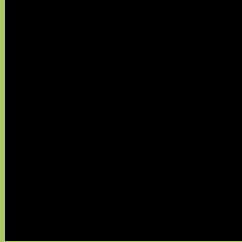
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 50.5454, 0.3566, 0.4527**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.5454, 0.3566, 0.4527.



This preview shows how white text looks on a background with the Yxy color 50.5454, 0.3566, 0.4527.

# 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

50.5454, 0.3566, 0.4527

### Protanopia

50.1911, 0.3971, 0.4322

### Deuteranopia

50.0459, 0.4159, 0.4057



## Tritanopia

50.3455, 0.2975, 0.3102

# Trichromacy



**Original Color**

50.5454, 0.3566, 0.4527

**Protanomaly**

50.1479, 0.3823, 0.4402

**Deuteranomaly**

49.6318, 0.3941, 0.4221

**Tritanomaly**

50.1101, 0.3202, 0.3605

# Monochromacy



**Original Color**

50.5454, 0.3566, 0.4527

**Achromatopsia**

45.6411, 0.3127, 0.3290

**Achromatomaly**

47.1877, 0.3309, 0.3748

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.5454, 0.3566, 0.4527 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(171, 199, 106)` looks like.

```
.text, #text, p{  
    color:rgb(171, 199, 106)  
}
```

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(171, 199, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 199, 106) }
```

## Border

The CSS property to change the border of an element to Yxy 50.5454, 0.3566, 0.4527 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(171, 199, 106) }
```

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

```
.border{ border-color:rgb(171, 199, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 199, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 199, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 199, 106);  
box-shadow:4px 4px 4px 4px rgb(171, 199,  
106) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.5454, 0.3566, 0.4527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 199, 106) }
```

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

```
.background{ background-color: rgb(171,  
199, 106) }
```

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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