

# Converting Colors

$Yxy(45.7960, 0.3383, 0.4926)$

Have a look what the booklet for  
Yxy(45.7960, 0.3383, 0.4926)  
contains.

<b>Yxy(45.6567, 0.3386, 0.4918)</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(45.6567, 0.3386, 0.4918)**

# Conversions

## Conversions Part 1

Format	Color
Hex	86C555
RGB	134, 197, 85
RGB Percent	53%, 77%, 33%
CMY	0.4746, 0.2274, 0.6668
CMYK	0.32, 0.00, 0.57, 0.23
HSL	94°, 49%, 55%
HSV	94°, 57%, 77%
XYZ	31.4342, 45.6567, 15.7450
YIQ	165.3950, -1.5960, -48.1880

# Conversions

## Conversions Part 2

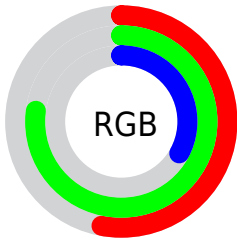
Format	Color
<a href="#">RYB</a>	<a href="#">85, 197, 148</a>
Decimal	<a href="#">8832341</a>
CIELab	<a href="#">73.32, -39.24, 49.03</a>
CIELCh	<a href="#">73, 62.795, 128.670</a>
Yxy	<a href="#">45.6567, 0.3386, 0.4918</a>
Android (android.graphics.Color)	<a href="#">4287022421 (0xFF86C555)</a>
YUV	<a href="#">165.3950, -39.6347, -27.5334</a>
Hunter-Lab	<a href="#">67.5697, -35.2067, 33.4832</a>

# Details

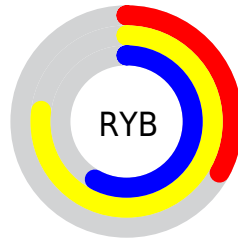
The Yxy color **45.6567, 0.3386, 0.4918** is a dark color, and the websafe version is hex **99CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **16.8218, 0.2631, 0.1733**, and the grayscale version is **38.0192, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6657, 0.3368, 0.4600**, and **21.4115, 0.3368, 0.5418** is the 20% darker color. If you saturate the color by 10%, you get **44.5246, 0.3393, 0.5195**, and if you desaturate by 10%, it is **46.9753, 0.3362, 0.4619**.

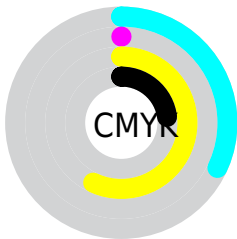
# Distribution



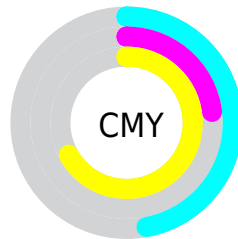
- Red (53%)
- Green (77%)
- Blue (33%)



- Red (33%)
- Yellow (77%)
- Blue (58%)



- Cyan (32%)
- Magenta (0%)
- Yellow (57%)
- Black (23%)




- Cyan (47%)
- Magenta (23%)
- Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.6567, 0.3386, 0.4918 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 45.6567, 0.3386, 0.4918 by changing the saturation by 10% instead.





 45.6567, 0.3386,  
0.4918


 45.6567, 0.3386,  
0.4918

369.4267, 0.3303,  
0.4062


 31.9750, 0.3387,  
0.5137


 83.7050, 0.3369,  
0.4601

 21.3424, 0.3374,  
0.5416


 108.8404, 0.3359,  
0.4484

 13.3745, 0.3333,  
0.5779


 138.5624, 0.3348,  
0.4385

 7.6869, 0.3237,  
0.6281

 173.2556, 0.3338,  
0.4301

 3.8953, 0.3014,  
0.6986

213.3042, 0.3328,  
0.4229

 1.6152, 0.2156,  
0.7844

259.0926, 0.3319,

 0.3678, 0.0000,

0.4166

1.0000

311.0054, 0.3310,  
0.4111

■ 0.0000, 0.0000,  
0.0000

■ 45.6567, 0.3386,  
0.4918

■ 45.6567, 0.3386,  
0.4918

■ 44.5246, 0.3393,  
0.5195

■ 46.9753, 0.3362,  
0.4619

■ 43.5628, 0.3381,  
0.5432

■ 48.4840, 0.3324,  
0.4312

■ 42.7616, 0.3348,  
0.5617

■ 50.1933, 0.3276,  
0.4011

■ 42.1059, 0.3298,  
0.5743

■ 52.1112, 0.3223,  
0.3725

■ 41.9230, 0.3282,  
0.5776

■ 54.2454, 0.3166,  
0.3459

■ 56.6030, 0.3109,  
0.3216

■ 59.1907, 0.3054,  
0.2998

■ 62.0150, 0.3000,  
0.2802

■ 64.6040, 0.2997,  
0.2695

# Harmonies

## Analogous

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



45.6567, 0.4173, 0.4731



45.6567, 0.3386, 0.4918



45.6567, 0.2574, 0.4440

# Triad

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



45.6567, 0.3386, 0.4918



45.6567, 0.1701, 0.2150



45.6567, 0.4392, 0.2951

# Complementary

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



45.6567, 0.3386, 0.4918



16.8218, 0.2631, 0.1733

# 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.



45.6567, 0.3542, 0.2438



45.6567, 0.3386, 0.4918



45.6567, 0.2032, 0.1988

# Square

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



45.6567, 0.3386, 0.4918



45.6567, 0.1670, 0.2644



45.6567, 0.2668, 0.2098



45.6567, 0.4842, 0.3556

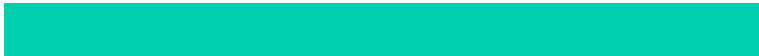


# Rectangle

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



45.6567, 0.3386, 0.4918



45.6567, 0.2131, 0.3823



45.6567, 0.2668, 0.2098



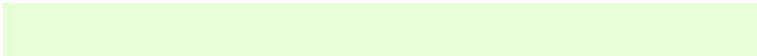
45.6567, 0.4136, 0.2766

# Sweetspot

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



45.6587, 0.3386, 0.4918



93.1801, 0.3225, 0.3736



33.2687, 0.4301, 0.4083



19.7884, 0.3236, 0.3793



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.



45.6587, 0.3386, 0.4918



79.3360, 0.3392, 0.5250



42.6149, 0.3014, 0.5021



12.1110, 0.3181, 0.3524



27.6196, 0.3291, 0.5769



1.3505, 0.3459, 0.5635



# Inverse Universe

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



16.8218, 0.2631, 0.1733



22.7967, 0.2489, 0.1430



22.1446, 0.3254, 0.2017



10.5768, 0.3069, 0.3057



4.9174, 0.2159, 0.0963



0.2752, 0.2373, 0.1081



# Previews

## White Background



This preview shows how the Yxy color 45.6567, 0.3386, 0.4918 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 45.6567, 0.3386, 0.4918 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 45.6567, 0.3386, 0.4918**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.6567, 0.3386, 0.4918.



This preview shows how white text looks on a background with the Yxy color 45.6567, 0.3386, 0.4918.

# 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

45.6567, 0.3386, 0.4918

### Protanopia

45.3638, 0.4097, 0.4498

### Deuteranopia

45.1142, 0.4279, 0.4195



## Tritanopia

45.4474, 0.2753, 0.3086

# Trichromacy



**Original Color**

45.6567, 0.3386, 0.4918

**Protanomaly**

44.8410, 0.3817, 0.4656

**Deuteranomaly**

44.1826, 0.3942, 0.4453

**Tritanomaly**

44.8836, 0.3003, 0.3739

# Monochromacy



**Original Color**

45.6567, 0.3386, 0.4918

**Achromatopsia**

37.6262, 0.3127, 0.3290

**Achromatomaly**

40.0919, 0.3256, 0.3898

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.6567, 0.3386, 0.4918 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(134, 197, 85)` looks like.

```
.text, #text, p{  
    color:rgb(134, 197, 85)  
}
```

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(134, 197, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 197, 85) }
```

## Border

The CSS property to change the border of an element to Yxy 45.6567, 0.3386, 0.4918 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(134, 197, 85) }
```

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

```
.border{ border-color:rgb(134, 197, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 197, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 197, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 197, 85);  
box-shadow:4px 4px 4px 4px rgb(134, 197,  
85) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.6567, 0.3386, 0.4918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 197, 85) }
```

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

```
.background{ background-color: rgb(134,  
197, 85) }
```

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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