

# Converting Colors

$Yxy(53.7724, 0.3642, 0.4591)$

Have a look what the booklet for  
Yxy(53.7724, 0.3642, 0.4591)  
contains.

<b>Yxy(53.7287, 0.3639, 0.4592)</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(53.7287, 0.3639, 0.4592)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3CC66
RGB	179, 204, 102
RGB Percent	70%, 80%, 40%
CMY	0.2981, 0.2000, 0.6000
CMYK	0.12, 0.00, 0.50, 0.20
HSL	75°, 50%, 60%
HSV	75°, 50%, 80%
XYZ	42.5781, 53.7287, 20.6982
YIQ	184.8970, 17.8420, -37.0220

# Conversions

## Conversions Part 2

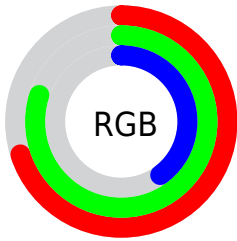
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">102, 204, 127</a>
Decimal	<a href="#">11783270</a>
CIELab	<a href="#">78.30, -23.90, 47.59</a>
CIELCh	<a href="#">78, 53.259, 116.666</a>
Yxy	<a href="#">53.7287, 0.3639, 0.4592</a>
Android (android.graphics.Color)	<a href="#">4289973350 (0xFFB3CC66)</a>
YUV	<a href="#">184.8970, -40.8682, -5.1717</a>
Hunter-Lab	<a href="#">73.2999, -24.5884, 34.5678</a>

# Details

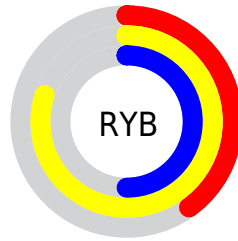
The Yxy color **53.7287, 0.3639, 0.4592** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **18.3793, 0.2389, 0.1799**, and the grayscale version is **48.6792, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7194, 0.3586, 0.4313**, and **26.3281, 0.3722, 0.4951** is the 20% darker color. If you saturate the color by 10%, you get **52.7892, 0.3710, 0.4830**, and if you desaturate by 10%, it is **54.7943, 0.3551, 0.4333**.

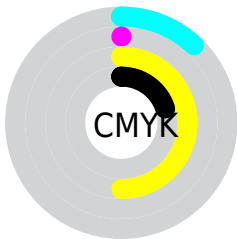
# Distribution



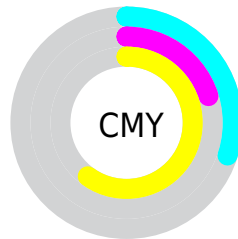
- Red (70%)
- Green (80%)
- Blue (40%)



- Red (40%)
- Yellow (80%)
- Blue (50%)



- Cyan (12%)
- Magenta (0%)
- Yellow (50%)
- Black (20%)



- Cyan (30%)
- Magenta (20%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.7287, 0.3639, 0.4592 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 53.7287, 0.3639, 0.4592 by changing the saturation by 10% instead.




 53.7287, 0.3639,  
0.4592

 53.7287, 0.3639,  
0.4592


401.0746, 0.3419,  
0.3943


 38.3848, 0.3679,  
0.4748


 95.6758, 0.3569,  
0.4359


 26.2815, 0.3722,  
0.4942


 123.0478, 0.3540,  
0.4271

 17.0343, 0.3762,  
0.5188


 155.1979, 0.3514,  
0.4195

 10.2590, 0.3786,  
0.5502

 192.5106, 0.3491,  
0.4131

 5.5710, 0.3853,  
0.6055

235.3702, 0.3470,  
0.4074

 2.5860, 0.3590,  
0.6410

284.1611, 0.3451,

 0.9196, 0.2399,

0.4025

0.7601

339.2678, 0.3434,  
0.3981

0.0000, 0.0000,  
0.0000

53.7287, 0.3639,  
0.4592

53.7287, 0.3639,  
0.4592

52.7892, 0.3710,  
0.4830

54.7943, 0.3551,  
0.4333

51.9609, 0.3760,  
0.5036

55.9856, 0.3451,  
0.4065

51.2374, 0.3785,  
0.5200


57.3114, 0.3344,  
0.3797


50.6086, 0.3784,  
0.5317

58.7776, 0.3235,  
0.3537

50.0553, 0.3762,  
0.5395


60.3895, 0.3127,  
0.3290

 50.0552, 0.3762,  
0.5395

 62.1525, 0.3023,  
0.3060

 64.0713, 0.2924,  
0.2848

 65.4751, 0.2894,  
0.2752

 66.2635, 0.2929,  
0.2757

# Harmonies

## Analogous

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



53.7287, 0.4220, 0.4340



53.7287, 0.3639, 0.4592



53.7287, 0.2955, 0.4402

# Triad

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



53.7287, 0.3639, 0.4592



53.7287, 0.1895, 0.2494



53.7287, 0.3897, 0.2836

# Complementary

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



53.7287, 0.3639, 0.4592



18.3793, 0.2389, 0.1799

# 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.



53.7287, 0.3176, 0.2447



53.7287, 0.3639, 0.4592



53.7287, 0.2077, 0.2235

# Square

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



53.7287, 0.3639, 0.4592



53.7287, 0.1984, 0.3033



53.7287, 0.2518, 0.2232



53.7287, 0.4415, 0.3333



# Rectangle

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



53.7287, 0.3639, 0.4592



53.7287, 0.2534, 0.4014



53.7287, 0.2518, 0.2232



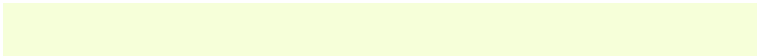
53.7287, 0.3665, 0.2690

# Sweetspot

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



53.7311, 0.3639, 0.4592



96.0398, 0.3292, 0.3671



28.6709, 0.4360, 0.3598



20.4469, 0.3315, 0.3727



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.



53.7311, 0.3639, 0.4592



87.3008, 0.3715, 0.4847



48.8334, 0.3238, 0.4780



12.9527, 0.3228, 0.3522



31.5473, 0.3769, 0.5390



1.6615, 0.3856, 0.5321



# Inverse Universe

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



18.3793, 0.2389, 0.1799



22.2588, 0.2193, 0.1455



23.1891, 0.2890, 0.1986



10.9747, 0.3020, 0.3053



3.2088, 0.1647, 0.0681



0.2021, 0.1854, 0.0795



# Previews

## White Background



This preview shows how the Yxy color 53.7287, 0.3639, 0.4592 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 53.7287, 0.3639, 0.4592 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

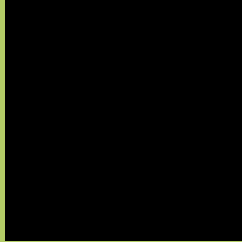
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.7287, 0.3639, 0.4592**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.7287, 0.3639, 0.4592.



This preview shows how white text looks on a background with the Yxy color 53.7287, 0.3639, 0.4592.

# 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

53.7287, 0.3639, 0.4592

### Protanopia

53.1679, 0.4022, 0.4389

### Deuteranopia

53.1754, 0.4220, 0.4126



## Tritanopia

53.4598, 0.3010, 0.3096

# Trichromacy



## Original Color

53.7287, 0.3639, 0.4592

## Protanomaly

53.2509, 0.3885, 0.4467

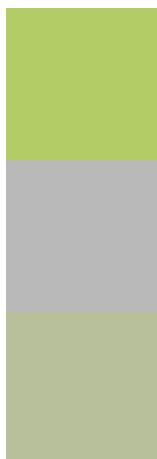
## Deuteranomaly

52.7286, 0.4004, 0.4291

## Tritanomaly

52.9092, 0.3256, 0.3635

# Monochromacy



## Original Color

53.7287, 0.3639, 0.4592

## Achromatopsia

48.5150, 0.3127, 0.3290

## Achromatomaly

50.1331, 0.3336, 0.3776

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  53.7287, 0.3639, 0.4592 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(179, 204, 102)` looks like.

```
.text, #text, p{  
    color:rgb(179, 204, 102)  
}
```

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(179, 204, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 204, 102) }
```

## Border

The CSS property to change the border of an element to Yxy 53.7287, 0.3639, 0.4592 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(179, 204, 102) }
```

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

```
.border{ border-color:rgb(179, 204, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 204, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 204, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 204, 102);  
box-shadow:4px 4px 4px 4px rgb(179, 204,  
102) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.7287, 0.3639, 0.4592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 204, 102) }
```

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

```
.background{ background-color: rgb(179,  
204, 102) }
```

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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