

# Converting Colors

Yxy(59.7278, 0.3100, 0.4636)

Have a look what the booklet for  
Yxy(59.7278, 0.3100, 0.4636)  
contains.

<b>Yxy(59.7232, 0.3100, 0.4636)</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(59.7232, 0.3100, 0.4636)**

# Conversions

## Conversions Part 1

Format	Color
Hex	84E07E
RGB	132, 224, 126
RGB Percent	52%, 88%, 49%
CMY	0.4824, 0.1215, 0.5058
CMYK	0.41, 0.00, 0.44, 0.12
HSL	116°, 61%, 69%
HSV	116°, 44%, 88%
XYZ	39.9357, 59.7232, 29.1659
YIQ	185.3200, -23.3740, -49.9820

# Conversions

## Conversions Part 2

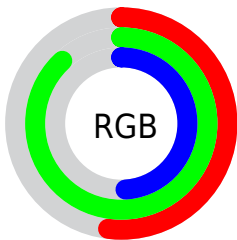
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">126, 224, 218</a>
Decimal	<a href="#">8708222</a>
CIELab	<a href="#">81.69, -46.57, 39.50</a>
CIELCh	<a href="#">82, 61.070, 139.696</a>
Yxy	<a href="#">59.7232, 0.3100, 0.4636</a>
Android (android.graphics.Color)	<a href="#">4286898302 (0xFF84E07E)</a>
YUV	<a href="#">185.3200, -29.2448, -46.7616</a>
Hunter-Lab	<a href="#">77.2808, -42.9995, 31.7204</a>

# Details

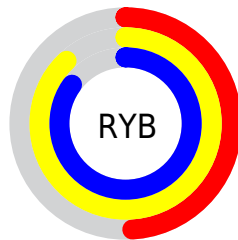
The Yxy color **59.7232, 0.3100, 0.4636** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **35.2196, 0.3120, 0.2205**, and the grayscale version is **48.8786, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6341, 0.3141, 0.4139**, and **30.0498, 0.3052, 0.5025** is the 20% darker color. If you saturate the color by 10%, you get **57.6825, 0.3087, 0.4989**, and if you desaturate by 10%, it is **62.2403, 0.3110, 0.4285**.

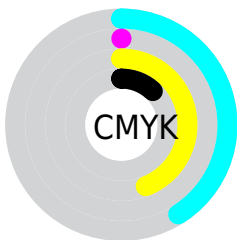
# Distribution



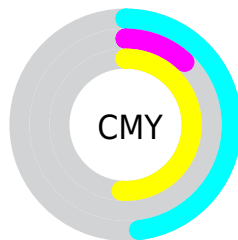
- Red (52%)
- Green (88%)
- Blue (49%)



- Red (49%)
- Yellow (88%)
- Blue (85%)



- Cyan (41%)
- Magenta (0%)
- Yellow (44%)
- Black (12%)




- Cyan (48%)
- Magenta (12%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.7232, 0.3100, 0.4636 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 59.7232, 0.3100, 0.4636 by changing the saturation by 10% instead.





 59.7232, 0.3100,  
0.4636

 59.7232, 0.3100,  
0.4636

423.5767, 0.3142,  
0.3949

 43.1956, 0.3081,  
0.4809

 104.4280, 0.3122,  
0.4385

 30.0386, 0.3051,  
0.5030


 133.3740, 0.3128,  
0.4291

 19.8679, 0.3002,  
0.5321


 167.2282, 0.3132,  
0.4211

 12.2990, 0.2917,  
0.5718

206.3751, 0.3136,  
0.4144

 6.9477, 0.2761,  
0.6280

251.1990, 0.3138,  
0.4085

 3.4294, 0.2565,  
0.7435

302.0843, 0.3140,

 1.3598, 0.0639,

0.4034

0.9361

359.4154, 0.3141,  
0.3989

0.1868, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

59.7232, 0.3100,  
0.4636

59.7232, 0.3100,  
0.4636

57.6825, 0.3087,  
0.4989

62.2403, 0.3110,  
0.4285

56.0813, 0.3070,  
0.5322


65.2532, 0.3118,  
0.3954


54.8892, 0.3053,  
0.5606


68.7893, 0.3123,  
0.3652


54.0692, 0.3034,  
0.5819

72.8717, 0.3126,  
0.3382

 53.5769, 0.3018,  
0.5947

 77.5222, 0.3128,  
0.3146

 53.4054, 0.3010,  
0.5992

 81.7949, 0.3141,  
0.2989

# Harmonies

## Analogous

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



59.7232, 0.3841, 0.4697



59.7232, 0.3100, 0.4636



59.7232, 0.2406, 0.4017

# Triad

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



59.7232, 0.3100, 0.4636



59.7232, 0.1911, 0.2175



59.7232, 0.4456, 0.3193

# Complementary

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



59.7232, 0.3100, 0.4636



35.2196, 0.3120, 0.2205

# 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.



59.7232, 0.3799, 0.2679



59.7232, 0.3100, 0.4636



59.7232, 0.2321, 0.2117

# Square

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



59.7232, 0.3100, 0.4636



59.7232, 0.1781, 0.2518



59.7232, 0.2993, 0.2298



59.7232, 0.4683, 0.3765



# Rectangle

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



59.7232, 0.3100, 0.4636



59.7232, 0.2064, 0.3449



59.7232, 0.2993, 0.2298



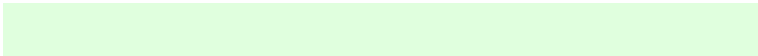
59.7232, 0.4274, 0.3012

# Sweetspot

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



59.7257, 0.3100, 0.4636



92.6121, 0.3124, 0.3633



67.2255, 0.3804, 0.4302



19.5815, 0.3123, 0.3697



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.



59.7257, 0.3100, 0.4636



77.7184, 0.3089, 0.4941



60.5967, 0.2830, 0.4047



15.3769, 0.3125, 0.3532



31.1003, 0.3014, 0.5989



2.1699, 0.3054, 0.5957



# Inverse Universe

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



35.2196, 0.3120, 0.2205



40.9984, 0.3114, 0.2014



34.1327, 0.3616, 0.2648



13.8909, 0.3128, 0.3058



11.1575, 0.3058, 0.1458



0.7864, 0.3082, 0.1472



# Previews

## White Background



This preview shows how the Yxy color 59.7232, 0.3100, 0.4636 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 59.7232, 0.3100, 0.4636 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

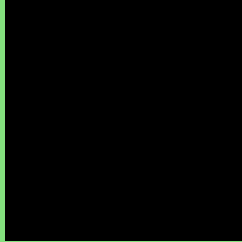
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 59.7232, 0.3100, 0.4636**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.7232, 0.3100, 0.4636.



This preview shows how white text looks on a background with the Yxy color 59.7232, 0.3100, 0.4636.

# 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

59.7232, 0.3100, 0.4636

### Protanopia

58.9212, 0.3906, 0.4245

### Deuteranopia

58.7106, 0.4022, 0.3940



## **Tritanopia**

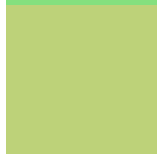
59.4195, 0.2624, 0.3079

# Trichromacy



## Original Color

59.7232, 0.3100, 0.4636



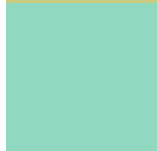
## Protanomaly

58.2925, 0.3581, 0.4396



## Deuteranomaly

57.3540, 0.3651, 0.4190



## Tritanomaly

58.9372, 0.2798, 0.3604

# Monochromacy



## Original Color

59.7232, 0.3100, 0.4636



## Achromatopsia

48.5150, 0.3127, 0.3290



## Achromatomaly

51.6342, 0.3121, 0.3760

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.7232, 0.3100, 0.4636 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(132, 224, 126)` looks like.

```
.text, #text, p{  
    color:rgb(132, 224, 126)  
}
```

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(132, 224, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 224, 126) }
```

## Border

The CSS property to change the border of an element to Yxy 59.7232, 0.3100, 0.4636 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(132, 224, 126) }
```

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

```
.border{ border-color:rgb(132, 224, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 224, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 224, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 224, 126);  
box-shadow:4px 4px 4px 4px rgb(132, 224,  
126) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.7232, 0.3100, 0.4636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 224, 126) }
```

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

```
.background{ background-color: rgb(132,  
224, 126) }
```

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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