

# Converting Colors

$Yxy(64.1735, 0.3608, 0.5321)$

Have a look what the booklet for  
Yxy(64.1735, 0.3608, 0.5321)  
contains.

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**Color**

**Yxy(64.4884, 0.3609, 0.5323)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A2E630
RGB	162, 230, 48
RGB Percent	64%, 90%, 19%
CMY	0.3649, 0.0980, 0.8117
CMYK	0.30, 0.00, 0.79, 0.10
HSL	82°, 78%, 55%
HSV	82°, 79%, 90%
XYZ	43.7232, 64.4884, 12.9389
YIQ	188.9200, 17.8940, -71.0180

# Conversions

## Conversions Part 2

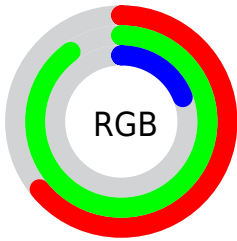
Format	Color
<a href="#">RYB</a>	<a href="#">48, 230, 116</a>
Decimal	<a href="#">10675760</a>
CIELab	<a href="#">84.22, -46.00, 74.46</a>
CIElCh	<a href="#">84, 87.529, 121.707</a>
Yxy	<a href="#">64.4884, 0.3609, 0.5323</a>
Android (android.graphics.Color)	<a href="#">4288865840 (0xFFA2E630)</a>
YUV	<a href="#">188.9200, -69.4736, -23.6088</a>
Hunter-Lab	<a href="#">80.3047, -43.3459, 46.6603</a>

# Details

The Yxy color **64.4884, 0.3609, 0.5323** is a light color, and the websafe version is hex **99CC00**. The color can be described as light washed chartreuse. A complement of this color would be **11.5458, 0.2050, 0.1049**, and the grayscale version is **51.2342, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0179, 0.3706, 0.4769**, and **33.2152, 0.3511, 0.5594** is the 20% darker color. If you saturate the color by 10%, you get **63.4781, 0.3589, 0.5466**, and if you desaturate by 10%, it is **65.6643, 0.3604, 0.5130**.

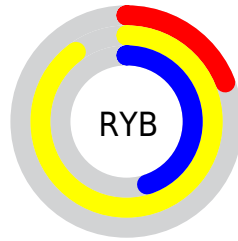
# Distribution



Red (64%)

Green (90%)

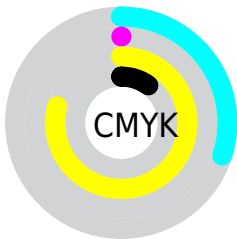
Blue (19%)



Red (19%)

Yellow (90%)

Blue (45%)

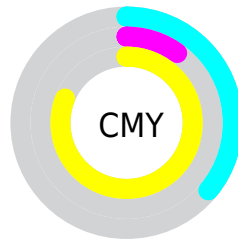


Cyan (30%)

Magenta (0%)

Yellow (79%)

Black (10%)



Cyan (36%)

Magenta (10%)


Yellow (81%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.4884, 0.3609, 0.5323 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 64.4884, 0.3609, 0.5323 by changing the saturation by 10% instead.




 64.4884, 0.3609,  
0.5323

 64.4884, 0.3609,  
0.5323


440.9512, 0.3472,  
0.4344

 47.0464, 0.3608,  
0.5538


 111.3140, 0.3586,  
0.4986

 33.0723, 0.3587,  
0.5792


 141.4664, 0.3569,  
0.4853


 22.1818, 0.3531,  
0.6091


 176.6243, 0.3552,  
0.4739

 13.9906, 0.3441,  
0.6501

 217.1722, 0.3534,  
0.4639

 8.1141, 0.3170,  
0.6830

 263.4944, 0.3518,  
0.4551

 4.1681, 0.2737,  
0.7263

315.9754, 0.3502,

 1.7680, 0.1743,

0.4474

0.8257

374.9996, 0.3486,  
0.4405

0.4671, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

64.4884, 0.3609,  
0.5323

64.4884, 0.3609,  
0.5323

63.4781, 0.3589,  
0.5466

65.6643, 0.3604,  
0.5130


62.6028, 0.3548,  
0.5561

67.0119, 0.3575,  
0.4895


62.5308, 0.3544,  
0.5568


68.5464, 0.3525,  
0.4630


70.2790, 0.3459,  
0.4349

 72.2195, 0.3380,  
0.4064

 74.3772, 0.3295,  
0.3784

 76.7608, 0.3207,  
0.3518

 79.3781, 0.3120,  
0.3269

 82.2357, 0.3034,  
0.3041

# Harmonies

## Analogous

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



64.4884, 0.4521, 0.4844



64.4884, 0.3609, 0.5323



64.4884, 0.2629, 0.4988

# Triad

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



64.4884, 0.3609, 0.5323



64.4884, 0.1406, 0.2002



64.4884, 0.4475, 0.2708

# Complementary

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



64.4884, 0.3609, 0.5323



11.5458, 0.2050, 0.1049

# 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.



64.4884, 0.3358, 0.2159



64.4884, 0.3609, 0.5323



64.4884, 0.1701, 0.1758

# Square

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



64.4884, 0.3609, 0.5323



64.4884, 0.1437, 0.2667



64.4884, 0.2351, 0.1826



64.4884, 0.5171, 0.3376



# Rectangle

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



64.4884, 0.3609, 0.5323



64.4884, 0.2064, 0.4250



64.4884, 0.2351, 0.1826



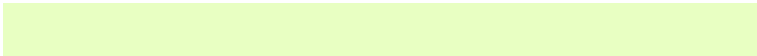
64.4884, 0.4122, 0.2506

# Sweetspot

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



64.4912, 0.3609, 0.5323



92.5810, 0.3338, 0.3923



29.2413, 0.5244, 0.3905



19.6109, 0.3369, 0.4024



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.



64.4912, 0.3609, 0.5323



79.4846, 0.3564, 0.5530



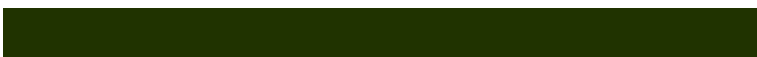
58.2032, 0.3088, 0.5701



16.5338, 0.3210, 0.3526



35.4685, 0.3554, 0.5560



2.6736, 0.3647, 0.5486



# Inverse Universe

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



11.5458, 0.2050, 0.1049



10.4052, 0.1838, 0.0803



20.9137, 0.2943, 0.1511



14.1484, 0.3038, 0.3051



4.4190, 0.1806, 0.0769

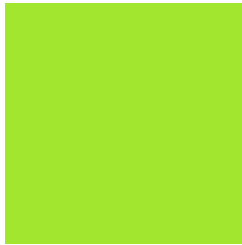


0.3782, 0.1969, 0.0859



# Previews

## White Background



This preview shows how the Yxy color 64.4884, 0.3609, 0.5323 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 64.4884, 0.3609, 0.5323 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 64.4884, 0.3609, 0.5323**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.4884, 0.3609, 0.5323.

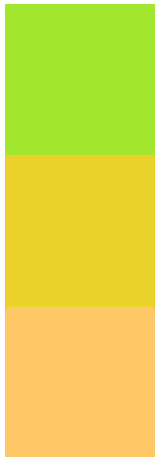


This preview shows how white text looks on a background with the Yxy color 64.4884, 0.3609, 0.5323.

# 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

64.4884, 0.3609, 0.5323

### Protanopia

63.9298, 0.4333, 0.4798

### Deuteranopia

63.5478, 0.4301, 0.4248



## Tritanopia

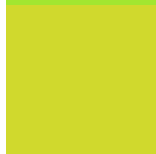
63.9299, 0.2804, 0.3091

# Trichromacy



## Original Color

64.4884, 0.3609, 0.5323



## Protanomaly

63.2251, 0.4055, 0.4998



## Deuteranomaly

62.5852, 0.4061, 0.4648



## Tritanomaly

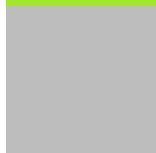
62.9807, 0.3171, 0.3996

# Monochromacy



## Original Color

64.4884, 0.3609, 0.5323



## Achromatopsia

50.8881, 0.3127, 0.3290



## Achromatomaly

54.6044, 0.3402, 0.4149

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.4884, 0.3609, 0.5323 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(162, 230, 48)` looks like.

```
.text, #text, p{  
    color:rgb(162, 230, 48)  
}
```

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(162, 230, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 230, 48) }
```

## Border

The CSS property to change the border of an element to Yxy 64.4884, 0.3609, 0.5323 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(162, 230, 48) }
```

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

```
.border{ border-color:rgb(162, 230, 48) }
```

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

Here you see how a box with a 4 pixel rgb(162, 230, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 230, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 230, 48);  
box-shadow:4px 4px 4px 4px rgb(162, 230,  
48) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.4884, 0.3609, 0.5323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 230, 48) }
```

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

```
.background{ background-color: rgb(162,  
230, 48) }
```

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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