

# Converting Colors

$Yxy(63.5222, 0.3661, 0.5155)$

Have a look what the booklet for  
Yxy(63.5222, 0.3661, 0.5155)  
contains.

<b>Yxy(63.5222, 0.3661, 0.5155)</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(63.5222, 0.3661, 0.5155)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ACE23F
RGB	172, 226, 63
RGB Percent	67%, 89%, 25%
CMY	0.3254, 0.1137, 0.7528
CMYK	0.24, 0.00, 0.72, 0.11
HSL	80°, 74%, 57%
HSV	80°, 72%, 89%
XYZ	45.1125, 63.5222, 14.5898
YIQ	191.2720, 20.1390, -62.1410

# Conversions

## Conversions Part 2

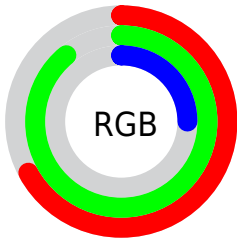
Format	Color
<a href="#">RYB</a>	<a href="#">63, 226, 117</a>
Decimal	<a href="#">11330111</a>
CIELab	<a href="#">83.72, -39.79, 69.58</a>
CIELCh	<a href="#">84, 80.155, 119.763</a>
Yxy	<a href="#">63.5222, 0.3661, 0.5155</a>
Android (android.graphics.Color)	<a href="#">4289520191 (0xFFACE23F)</a>
YUV	<a href="#">191.2720, -63.2381, -16.9015</a>
Hunter-Lab	<a href="#">79.7008, -38.4414, 44.9371</a>

# Details

The Yxy color **63.5222, 0.3661, 0.5155** is a light color, and the websafe version is hex **99CC33**. The color can be described as light washed chartreuse. A complement of this color would be **12.8313, 0.2098, 0.1178**, and the grayscale version is **52.6388, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8894, 0.3726, 0.4641**, and **32.3943, 0.3637, 0.5494** is the 20% darker color. If you saturate the color by 10%, you get **62.4986, 0.3665, 0.5326**, and if you desaturate by 10%, it is **64.7028, 0.3632, 0.4940**.

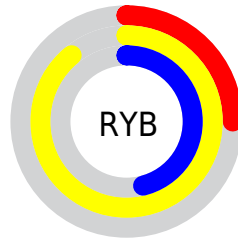
# Distribution



Red (67%)

Green (89%)

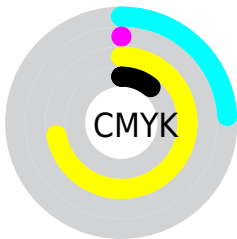
Blue (25%)



Red (25%)

Yellow (89%)

Blue (46%)

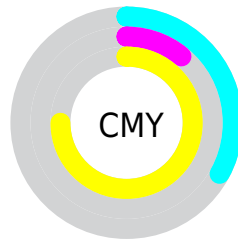


Cyan (24%)

Magenta (0%)

Yellow (72%)

Black (11%)



Cyan (33%)

Magenta (11%)


Yellow (75%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.5222, 0.3661, 0.5155 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 63.5222, 0.3661, 0.5155 by changing the saturation by 10% instead.



 63.5222, 0.3661,  
0.5155


 63.5222, 0.3661,  
0.5155


437.4622, 0.3483,  
0.4256


 46.2638, 0.3674,  
0.5355


 109.9225, 0.3619,  
0.4844


 32.4540, 0.3675,  
0.5593


 139.8333, 0.3597,  
0.4722


 21.7085, 0.3647,  
0.5875


 174.7302, 0.3575,  
0.4617

 13.6429, 0.3581,  
0.6234

 214.9978, 0.3554,  
0.4526

 7.8727, 0.3392,  
0.6608

 261.0204, 0.3534,  
0.4446

 4.0136, 0.3006,  
0.6994

313.1824, 0.3516,

 1.6812, 0.2192,

0.4375

0.7808

371.8682, 0.3499,  
0.4312

0.4114, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

63.5222, 0.3661,  
0.5155

63.5222, 0.3661,  
0.5155

62.4986, 0.3665,  
0.5326

64.7028, 0.3632,  
0.4940

61.6092, 0.3644,  
0.5447


66.0440, 0.3580,  
0.4691


60.9860, 0.3614,  
0.5512


67.5591, 0.3510,  
0.4420


69.2578, 0.3428,  
0.4141

 71.1487, 0.3337,  
0.3863

 73.2398, 0.3242,  
0.3594

 75.5388, 0.3147,  
0.3341

 78.0526, 0.3054,  
0.3106

 80.0299, 0.3035,  
0.3000

# Harmonies

## Analogous

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



63.5222, 0.4497, 0.4721



63.5222, 0.3661, 0.5155



63.5222, 0.2738, 0.4880

# Triad

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



63.5222, 0.3661, 0.5155



63.5222, 0.1500, 0.2122



63.5222, 0.4311, 0.2715

# Complementary

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



63.5222, 0.3661, 0.5155



12.8313, 0.2098, 0.1178

# 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.



63.5222, 0.3279, 0.2204



63.5222, 0.3661, 0.5155



63.5222, 0.1762, 0.1859

# Square

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



63.5222, 0.3661, 0.5155



63.5222, 0.1557, 0.2783



63.5222, 0.2358, 0.1902



63.5222, 0.4994, 0.3350



# Rectangle

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



63.5222, 0.3661, 0.5155



63.5222, 0.2195, 0.4242



63.5222, 0.2358, 0.1902



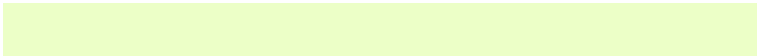
63.5222, 0.3981, 0.2526

# Sweetspot

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



63.5250, 0.3661, 0.5155



93.5441, 0.3337, 0.3864



28.7067, 0.5094, 0.3813



19.8716, 0.3362, 0.3939



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.



63.5250, 0.3661, 0.5155



81.5190, 0.3657, 0.5398



57.0733, 0.3144, 0.5505



15.7903, 0.3216, 0.3525



34.8605, 0.3623, 0.5505



2.4645, 0.3713, 0.5434



# Inverse Universe

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



12.8313, 0.2098, 0.1178



11.4182, 0.1871, 0.0868



20.8014, 0.2879, 0.1563



13.4626, 0.3032, 0.3051



4.0402, 0.1745, 0.0735



0.3277, 0.1915, 0.0829



# Previews

## White Background



This preview shows how the Yxy color 63.5222, 0.3661, 0.5155 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 63.5222, 0.3661, 0.5155 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

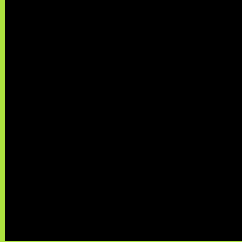
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 63.5222, 0.3661, 0.5155**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.5222, 0.3661, 0.5155.



This preview shows how white text looks on a background with the Yxy color 63.5222, 0.3661, 0.5155.

# 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

63.5222, 0.3661, 0.5155

### Protanopia

62.7409, 0.4287, 0.4725

### Deuteranopia

62.9887, 0.4339, 0.4279



## Tritanopia

63.2663, 0.2874, 0.3093

# Trichromacy



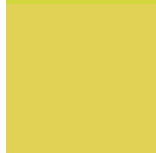
## Original Color

63.5222, 0.3661, 0.5155



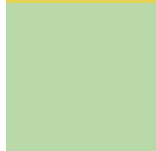
## Protanomaly

62.7760, 0.4048, 0.4889



## Deuteranomaly

62.2644, 0.4097, 0.4597



## Tritanomaly

62.1292, 0.3215, 0.3887

# Monochromacy



## Original Color

63.5222, 0.3661, 0.5155



## Achromatopsia

52.0996, 0.3127, 0.3290



## Achromatomaly

55.3897, 0.3401, 0.4060

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.5222, 0.3661, 0.5155 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(172, 226, 63)` looks like.

```
.text, #text, p{  
    color:rgb(172, 226, 63)  
}
```

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(172, 226, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 226, 63) }
```

## Border

The CSS property to change the border of an element to Yxy 63.5222, 0.3661, 0.5155 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(172, 226, 63) }
```

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

```
.border{ border-color:rgb(172, 226, 63) }
```

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

Here you see how a box with a 4 pixel rgb(172, 226, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 226, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 226, 63);  
box-shadow:4px 4px 4px 4px rgb(172, 226,  
63) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.5222, 0.3661, 0.5155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 226, 63) }
```

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

```
.background{ background-color: rgb(172,  
226, 63) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor