

Converting Colors

$Yxy(66.6004, 0.3606, 0.5391)$

Have a look what the booklet for
Yxy(66.6004, 0.3606, 0.5391)
contains.

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Color

Yxy(66.5692, 0.3603, 0.5391)

Conversions

Conversions Part 1

Format	Color
Hex	A1EA27
RGB	161, 234, 39
RGB Percent	63%, 92%, 15%
CMY	0.3685, 0.0824, 0.8471
CMYK	0.31, 0.00, 0.83, 0.08
HSL	82°, 82%, 54%
HSV	82°, 83%, 92%
XYZ	44.4906, 66.5692, 12.4223
YIQ	189.9430, 19.0870, -76.1210

Conversions

Conversions Part 2

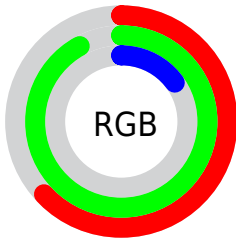
Format	Color
RYB	39, 234, 112
Decimal	10611239
CIELab	85.29, -48.36, 77.63
CIELCh	85, 91.458, 121.919
Yxy	66.5692, 0.3603, 0.5391
Android (android.graphics.Color)	4288801319 (0xFFA1EA27)
YUV	189.9430, -74.4149, -25.3830
Hunter-Lab	81.5900, -45.4472, 48.0859

Details

The Yxy color **66.5692, 0.3603, 0.5391** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **10.8340, 0.1990, 0.0969**, and the grayscale version is **51.8908, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8916, 0.3731, 0.4817**, and **34.6656, 0.3472, 0.5625** is the 20% darker color. If you saturate the color by 10%, you get **65.5835, 0.3573, 0.5512**, and if you desaturate by 10%, it is **67.7199, 0.3609, 0.5218**.

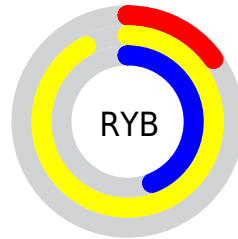
Distribution



Red (63%)

Green (92%)

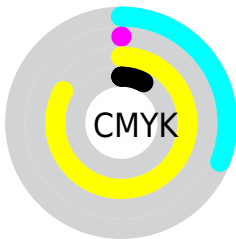
Blue (15%)



Red (15%)

Yellow (92%)

Blue (44%)

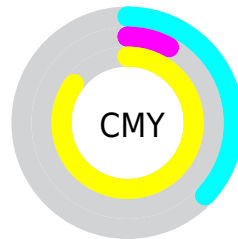


Cyan (31%)

Magenta (0%)

Yellow (83%)

Black (8%)



Cyan (37%)


Magenta (8%)

Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.5692, 0.3603, 0.5391 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 66.5692, 0.3603, 0.5391 by changing the saturation by 10% instead.

 66.5692, 0.3603,
0.5391


 66.5692, 0.3603,
0.5391


448.4098, 0.3478,
0.4387

 48.7346, 0.3597,
0.5608

 114.3029, 0.3586,
0.5048

 34.4090, 0.3570,
0.5864


 144.9708, 0.3571,
0.4912


 23.2080, 0.3504,
0.6161

 180.6853, 0.3555,
0.4794

 14.7472, 0.3409,
0.6577

 221.8307, 0.3539,
0.4691

 8.6421, 0.3119,
0.6881

 268.7914, 0.3523,
0.4601

 4.5085, 0.2685,
0.7315

 321.9520, 0.3507,

 1.9619, 0.1791,

0.4521

0.8209

381.6966, 0.3492,
0.4450

■ 0.5852, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 66.5692, 0.3603,
0.5391

■ 66.5692, 0.3603,
0.5391

■ 65.5835, 0.3573,
0.5512


■ 67.7199, 0.3609,
0.5218

■ 64.9967, 0.3543,
0.5569

■ 69.0434, 0.3590,
0.5000


■ 70.5565, 0.3549,
0.4746


■ 72.2711, 0.3488,
0.4469

 74.1982, 0.3414,
0.4184

 76.3476, 0.3332,
0.3901

 78.7287, 0.3244,
0.3628

 81.3499, 0.3156,
0.3371

 84.2194, 0.3070,
0.3134

Harmonies

Analogous

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



66.5692, 0.4543, 0.4882



66.5692, 0.3603, 0.5391



66.5692, 0.2599, 0.5049

Triad

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



66.5692, 0.3603, 0.5391



66.5692, 0.1365, 0.1961



66.5692, 0.4527, 0.2693

Complementary

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



66.5692, 0.3603, 0.5391



10.8340, 0.1990, 0.0969

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.



66.5692, 0.3371, 0.2132



66.5692, 0.3603, 0.5391



66.5692, 0.1668, 0.1718

Square

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



66.5692, 0.3603, 0.5391



66.5692, 0.1392, 0.2635



66.5692, 0.2332, 0.1791



66.5692, 0.5238, 0.3373

Rectangle

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



66.5692, 0.3603, 0.5391



66.5692, 0.2023, 0.4276



66.5692, 0.2332, 0.1791



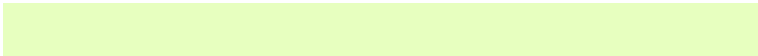
66.5692, 0.4161, 0.2487

Sweetspot

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



66.5721, 0.3603, 0.5391



92.3054, 0.3347, 0.3951



28.8984, 0.5380, 0.3894



19.5568, 0.3376, 0.4051



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.



66.5721, 0.3603, 0.5391



78.9497, 0.3540, 0.5571



60.1161, 0.3076, 0.5785



17.3291, 0.3210, 0.3527



36.5985, 0.3553, 0.5561



2.9285, 0.3641, 0.5491

Inverse Universe

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



10.8340, 0.1990, 0.0969



9.6758, 0.1786, 0.0757



20.8011, 0.2928, 0.1464



14.8235, 0.3038, 0.3051



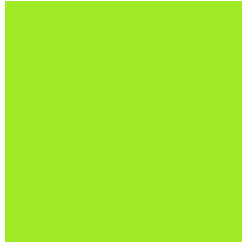
4.5583, 0.1806, 0.0768



0.4113, 0.1960, 0.0853

Previews

White Background



This preview shows how the Yxy color 66.5692, 0.3603, 0.5391 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 66.5692, 0.3603, 0.5391 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

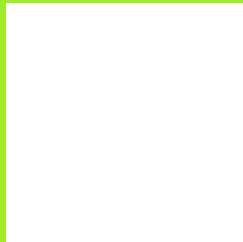
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.5692, 0.3603, 0.5391

Background



This preview shows how black text looks on a background with the Yxy color 66.5692, 0.3603, 0.5391.

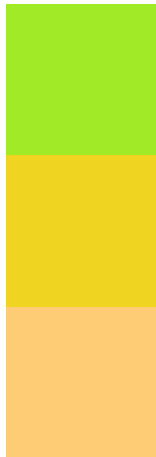


This preview shows how white text looks on a background with the Yxy color 66.5692, 0.3603, 0.5391.

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

66.5692, 0.3603, 0.5391

Protanopia

66.0490, 0.4363, 0.4830

Deuteranopia

65.7537, 0.4178, 0.4156



Tritanopia

66.3313, 0.2791, 0.3094

Trichromacy



Original Color

66.5692, 0.3603, 0.5391



Protanomaly

65.6831, 0.4073, 0.5046



Deuteranomaly

64.6943, 0.4006, 0.4634



Tritanomaly

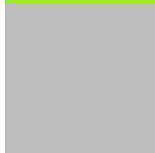
65.2218, 0.3174, 0.4039

Monochromacy



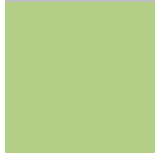
Original Color

66.5692, 0.3603, 0.5391



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

55.4756, 0.3418, 0.4210

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.5692, 0.3603, 0.5391 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(161, 234, 39)` looks like.

```
.text, #text, p{  
    color:rgb(161, 234, 39)  
}
```

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(161, 234, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 234, 39) }
```

Border

The CSS property to change the border of an element to Yxy 66.5692, 0.3603, 0.5391 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(161, 234, 39) }
```

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

```
.border{ border-color:rgb(161, 234, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 234, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 234, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 234, 39);  
box-shadow:4px 4px 4px 4px rgb(161, 234,  
39) }
```


Background

The CSS property to change the background color of an element to Yxy 66.5692, 0.3603, 0.5391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 234, 39) }
```

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

```
.background{ background-color: rgb(161,  
234, 39) }
```

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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