

# Converting Colors

$Y_{xy}(60.1711, 0.3505, 0.5599)$

Have a look what the booklet for  
Yxy(60.1711, 0.3505, 0.5599)  
contains.

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**Color**

**Yxy(60.1724, 0.3502, 0.5601)**

# Conversions

## Conversions Part 1

Format	Color
Hex	88E300
RGB	136, 227, 0
RGB Percent	53%, 89%, 0%
CMY	0.4667, 0.1098, 0.9992
CMYK	0.40, 0.00, 1.00, 0.11
HSL	84°, 100%, 45%
HSV	84°, 100%, 89%
XYZ	37.6225, 60.1724, 9.6366
YIQ	173.9130, 18.6310, -89.8890

# Conversions

## Conversions Part 2

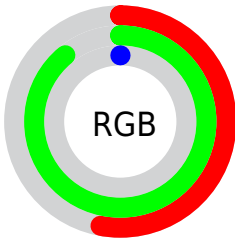
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">0, 227, 91</a>
Decimal	<a href="#">8971008</a>
CIELab	<a href="#">81.93, -55.00, 79.72</a>
CIELCh	<a href="#">82, 96.852, 124.603</a>
Yxy	<a href="#">60.1724, 0.3502, 0.5601</a>
Android (android.graphics.Color)	<a href="#">4287161088 (0xFF88E300)</a>
YUV	<a href="#">173.9130, -85.7391, -33.2497</a>
Hunter-Lab	<a href="#">77.5709, -49.1750, 46.9340</a>

# Details

The Yxy color **60.1724, 0.3502, 0.5601** is a dark color, and the websafe version is hex **99FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **7.7861, 0.1835, 0.0785**, and the grayscale version is **42.7352, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9603, 0.3621, 0.5042**, and **30.5817, 0.3283, 0.5775** is the 20% darker color. If you saturate the color by 10%, you get **60.1676, 0.3502, 0.5602**, and if you desaturate by 10%, it is **61.0315, 0.3547, 0.5505**.

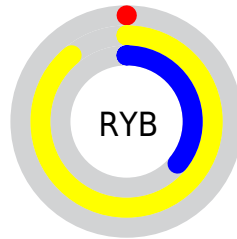
# Distribution



Red (53%)

Green (89%)

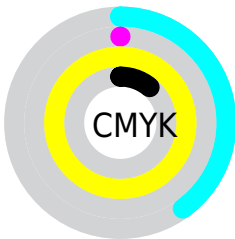
Blue (0%)



Red (0%)

Yellow (89%)

Blue (36%)

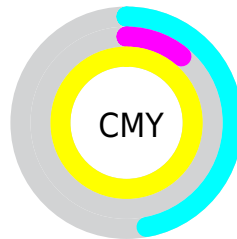


Cyan (40%)

Magenta (0%)

Yellow (100%)

Black (11%)



Cyan (47%)

Magenta (11%)


Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.1724, 0.3502, 0.5601 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 60.1724, 0.3502, 0.5601 by changing the saturation by 10% instead.




 60.1724, 0.3502,  
0.5601


 60.1724, 0.3502,  
0.5601


425.2329, 0.3442,  
0.4471


 43.5576, 0.3473,  
0.5848


 105.0797, 0.3513,  
0.5212


 30.3229, 0.3412,  
0.6138


 134.1410, 0.3508,  
0.5058

 20.0838, 0.3299,  
0.6479


 168.1200, 0.3499,  
0.4926

 12.4560, 0.3106,  
0.6894

 207.4009, 0.3488,  
0.4810

 7.0550, 0.2730,  
0.7270

 252.3683, 0.3477,  
0.4710

 3.4965, 0.2174,  
0.7826

 303.4065, 0.3465,

 1.3961, 0.0000,

0.4621

1.0000

360.8999, 0.3453,  
0.4542

■ 0.2139, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 60.1724, 0.3502,  
0.5601

■ 60.1724, 0.3502,  
0.5601

■ 60.1676, 0.3502,  
0.5602

■ 61.0315, 0.3547,  
0.5505

■ 62.0259, 0.3572,  
0.5362

■ 63.1826, 0.3573,  
0.5167

■ 64.5159, 0.3550,  
0.4929

66.0384, 0.3506,  
0.4661

67.7612, 0.3445,  
0.4377

69.6942, 0.3373,  
0.4089

71.8467, 0.3293,  
0.3807

74.2272, 0.3210,  
0.3538

# Harmonies

## Analogous

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



60.1724, 0.4530, 0.5039



60.1724, 0.3502, 0.5601



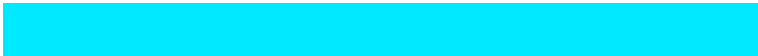
60.1724, 0.2440, 0.5154

# Triad

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



60.1724, 0.3502, 0.5601



60.1724, 0.1265, 0.1816



60.1724, 0.4754, 0.2697

# Complementary

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



60.1724, 0.3502, 0.5601



7.7861, 0.1835, 0.0785

# 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.



60.1724, 0.3500, 0.2093



60.1724, 0.3502, 0.5601



60.1724, 0.1611, 0.1605

# Square

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



60.1724, 0.3502, 0.5601



60.1724, 0.1254, 0.2473



60.1724, 0.2348, 0.1710



60.1724, 0.5449, 0.3412



# Rectangle

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



60.1724, 0.3502, 0.5601



60.1724, 0.1851, 0.4240



60.1724, 0.2348, 0.1710



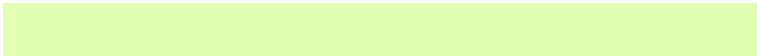
60.1724, 0.4365, 0.2477

# Sweetspot

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



60.1750, 0.3502, 0.5601



90.6500, 0.3375, 0.4097



23.8017, 0.5717, 0.3842



19.1677, 0.3407, 0.4219



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.



60.1750, 0.3502, 0.5601



78.2604, 0.3498, 0.5605



55.1221, 0.3020, 0.5983



16.5137, 0.3206, 0.3527



35.1579, 0.3511, 0.5594



2.6518, 0.3609, 0.5516



# Inverse Universe

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



7.7861, 0.1835, 0.0785



10.0640, 0.1828, 0.0781



18.4342, 0.2956, 0.1402



14.1680, 0.3043, 0.3051



4.5980, 0.1849, 0.0792

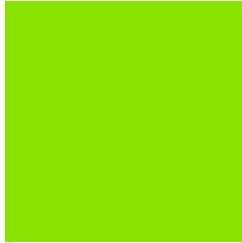


0.3927, 0.2013, 0.0883



# Previews

## White Background



This preview shows how the Yxy color 60.1724, 0.3502, 0.5601 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

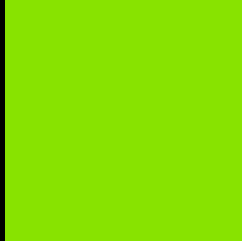
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.1724, 0.3502, 0.5601 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

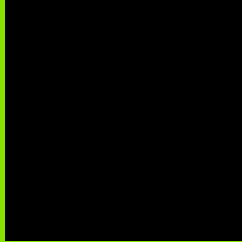
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 60.1724, 0.3502, 0.5601**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.1724, 0.3502, 0.5601.



This preview shows how white text looks on a background with the Yxy color 60.1724, 0.3502, 0.5601.

# 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

60.1724, 0.3502, 0.5601

### Deuteranopia

59.1487, 0.4644, 0.4535

### Tritanopia

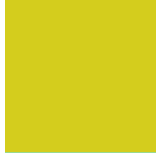
59.8713, 0.2687, 0.3082

# Trichromacy



## Original Color

60.1724, 0.3502, 0.5601



## Deuteranomaly

57.7484, 0.4217, 0.4950



## Tritanomaly

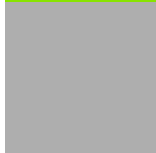
58.4423, 0.3136, 0.4256

# Monochromacy



## Original Color

60.1724, 0.3502, 0.5601



## Achromatopsia

42.3268, 0.3127, 0.3290



## Achromatomaly

46.7612, 0.3459, 0.4439

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.1724, 0.3502, 0.5601 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(136, 227, 0)` looks like.

```
.text, #text, p{  
    color:rgb(136, 227, 0)  
}
```

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(136, 227, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 227, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 60.1724, 0.3502, 0.5601 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(136, 227, 0) }
```

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

```
.border{ border-color:rgb(136, 227, 0) }
```

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

Here you see how a box with a 4 pixel rgb(136, 227, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 227, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 227, 0);  
box-shadow:4px 4px 4px 4px rgb(136, 227,  
0) }
```

# Background

The CSS property to change the background color of an element to Yxy 60.1724, 0.3502, 0.5601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 227, 0) }
```

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

```
.background{ background-color: rgb(136,  
227, 0) }
```

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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