

Converting Colors

$Y_{xy}(76.5167, 0.3610, 0.5516)$

Have a look what the booklet for
Yxy(76.5167, 0.3610, 0.5516)
contains.

Yxy(76.5867, 0.3610, 0.5516)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(76.5867, 0.3610, 0.5516)

Conversions

Conversions Part 1

Format	Color
Hex	A7FA00
RGB	167, 250, 0
RGB Percent	65%, 98%, 0%
CMY	0.3451, 0.0196, 1.0000
CMYK	0.33, 0.00, 1.00, 0.02
HSL	80°, 100%, 49%
HSV	80°, 100%, 98%
XYZ	50.1229, 76.5867, 12.1350
YIQ	196.6830, 30.7820, -95.3460

Conversions

Conversions Part 2

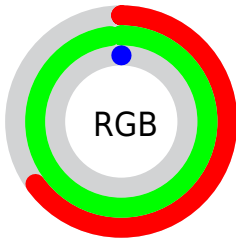
Format	Color
RYB	0, 250, 83
Decimal	11008512
CIELab	90.13, -53.50, 86.74
CIElCh	90, 101.911, 121.668
Yxy	76.5867, 0.3610, 0.5516
Android (android.graphics.Color)	4289198592 (0xFFA7FA00)
YUV	196.6830, -96.9647, -26.0320
Hunter-Lab	87.5138, -50.9146, 53.0383

Details

The Yxy color **76.5867, 0.3610, 0.5516** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **8.7411, 0.1727, 0.0725**, and the grayscale version is **56.2195, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8043, 0.3824, 0.4870**, and **41.2041, 0.3433, 0.5656** is the 20% darker color. If you saturate the color by 10%, you get **76.5904, 0.3610, 0.5516**, and if you desaturate by 10%, it is **77.5938, 0.3648, 0.5432**.

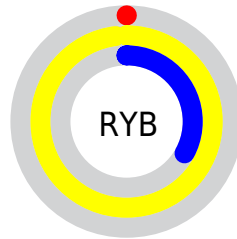
Distribution



Red (65%)

Green (98%)

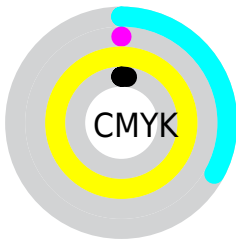
Blue (0%)



Red (0%)

Yellow (98%)

Blue (33%)

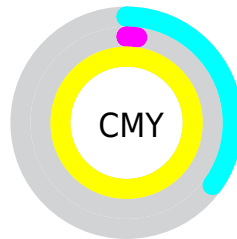


Cyan (33%)

Magenta (0%)

Yellow (100%)

Black (2%)



Cyan (35%)


Magenta (2%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.5867, 0.3610, 0.5516 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 76.5867, 0.3610, 0.5516 by changing the saturation by 10% instead.


 76.5867, 0.3610,
0.5516

 76.5867, 0.3610,
0.5516


483.3537, 0.3505,
0.4487

 56.9137, 0.3596,
0.5728


 128.5559, 0.3603,
0.5173


 40.9360, 0.3559,
0.5973


 161.6209, 0.3592,
0.5034

 28.2691, 0.3483,
0.6251


 199.9187, 0.3578,
0.4913

 18.5286, 0.3375,
0.6625

 243.8338, 0.3563,
0.4807

 11.3301, 0.3099,
0.6901

 293.7504, 0.3548,
0.4713

 6.2894, 0.2707,
0.7293


 350.0530, 0.3534,


 3.0218, 0.2118,

0.4629


0.7882


413.1260, 0.3519,
0.4554


 1.1431, 0.0000,
1.0000

 0.0145, 0.0000,
1.0000


 76.5867, 0.3610,
0.5516


 76.5867, 0.3610,
0.5516

 76.5904, 0.3610,
0.5516

 77.5938, 0.3648,
0.5432

 78.7462, 0.3665,
0.5302

 80.0763, 0.3657,
0.5122

 81.6019, 0.3623,
0.4898

■ 83.3380, 0.3568,
0.4643

■ 85.2980, 0.3495,
0.4368

■ 87.4936, 0.3410,
0.4087

■ 89.9360, 0.3318,
0.3808

■ 92.6352, 0.3222,
0.3541

Harmonies

Analogous

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



76.5867, 0.4599, 0.4934



76.5867, 0.3610, 0.5516



76.5867, 0.2562, 0.5188

Triad

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



76.5867, 0.3610, 0.5516



76.5867, 0.1287, 0.1893



76.5867, 0.4603, 0.2650

Complementary

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



76.5867, 0.3610, 0.5516



8.7411, 0.1727, 0.0725

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.



76.5867, 0.3369, 0.2072



76.5867, 0.3610, 0.5516



76.5867, 0.1595, 0.1646

Square

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



76.5867, 0.3610, 0.5516



76.5867, 0.1312, 0.2593



76.5867, 0.2279, 0.1721



76.5867, 0.5359, 0.3349

Rectangle

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



76.5867, 0.3610, 0.5516



76.5867, 0.1961, 0.4355



76.5867, 0.2279, 0.1721



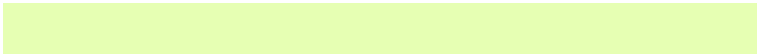
76.5867, 0.4212, 0.2438

Sweetspot

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



76.5904, 0.3610, 0.5516



91.5121, 0.3410, 0.4087



25.9410, 0.5952, 0.3656



19.3734, 0.3447, 0.4206



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.



76.5904, 0.3610, 0.5516



80.1050, 0.3609, 0.5516



68.9507, 0.3051, 0.5959



19.8853, 0.3217, 0.3528



40.7063, 0.3619, 0.5508



3.8279, 0.3689, 0.5453

Inverse Universe

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



8.7411, 0.1727, 0.0725



9.1350, 0.1726, 0.0724



19.7638, 0.2740, 0.1283



16.9229, 0.3031, 0.3048



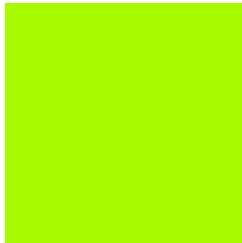
4.7061, 0.1742, 0.0733



0.4911, 0.1870, 0.0804

Previews

White Background



This preview shows how the Yxy color 76.5867, 0.3610, 0.5516 looks on a white background.

Color Contrast Check

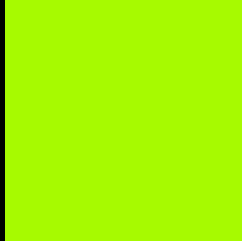
Large Text (above 18pt) WCAG AA × Fail

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 76.5867, 0.3610, 0.5516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

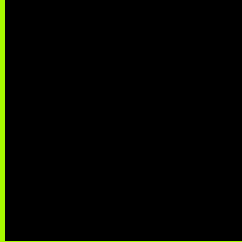
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.5867, 0.3610, 0.5516

Background



This preview shows how black text looks on a background with the Yxy color 76.5867, 0.3610, 0.5516.



This preview shows how white text looks on a background with the Yxy color 76.5867, 0.3610, 0.5516.

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

76.5867, 0.3610, 0.5516

Protanopia

75.6527, 0.4413, 0.4878

Deuteranopia

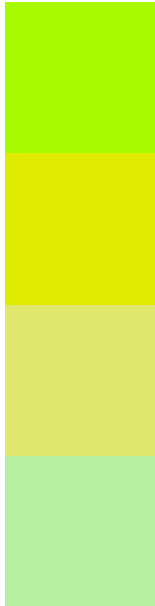
75.4250, 0.3726, 0.3783



Tritanopia

75.8847, 0.2762, 0.3082

Trichromacy



Original Color

76.5867, 0.3610, 0.5516

Protanomaly

75.1046, 0.4103, 0.5124

Deuteranomaly

73.9439, 0.3832, 0.4587

Tritanomaly

74.3383, 0.3229, 0.4231

Monochromacy



Original Color

76.5867, 0.3610, 0.5516

Achromatopsia

55.8340, 0.3127, 0.3290

Achromatomaly

61.0315, 0.3511, 0.4417

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.5867, 0.3610, 0.5516 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(167, 250, 0)` looks like.

```
.text, #text, p{  
    color:rgb(167, 250, 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(167, 250, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 250, 0) }
```

Border

The CSS property to change the border of an element to Yxy 76.5867, 0.3610, 0.5516 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(167, 250, 0) }
```

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

```
.border{ border-color:rgb(167, 250, 0) }
```

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

Here you see how a box with a 4 pixel rgb(167, 250, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 250, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 250, 0);  
box-shadow:4px 4px 4px 4px rgb(167, 250,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 76.5867, 0.3610, 0.5516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 250, 0) }
```

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

```
.background{ background-color: rgb(167,  
250, 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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