

Converting Colors

$Y_{xy}(77.6028, 0.3455, 0.5638)$

Have a look what the booklet for
Yxy(77.6028, 0.3455, 0.5638)
contains.

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Color

Yxy(77.6310, 0.3457, 0.5637)

Conversions

Conversions Part 1

Format	Color
Hex	92FF00
RGB	146, 255, 0
RGB Percent	57%, 100%, 0%
CMY	0.4276, 0.0000, 0.9996
CMYK	0.43, 0.00, 1.00, 0.00
HSL	86°, 100%, 50%
HSV	86°, 100%, 100%
XYZ	47.6087, 77.6310, 12.4771
YIQ	193.3390, 16.8910, -102.4130

Conversions

Conversions Part 2

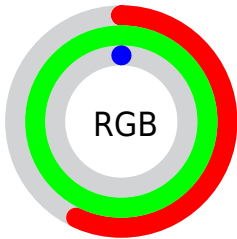
Format	Color
RYB	0, 255, 109
Decimal	9633536
CIELab	90.61, -62.44, 86.67
CIELCh	91, 106.821, 125.772
Yxy	77.6310, 0.3457, 0.5637
Android (android.graphics.Color)	4287823616 (0xFF92FF00)
YUV	193.3390, -95.3161, -41.5163
Hunter-Lab	88.1085, -57.7387, 53.2798

Details

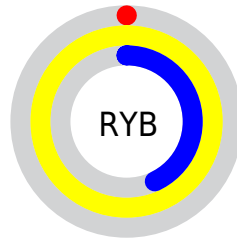
The Yxy color **77.6310, 0.3457, 0.5637** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **10.4836, 0.1872, 0.0805**, and the grayscale version is **54.1033, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7202, 0.3685, 0.4955**, and **41.7263, 0.3257, 0.5796** is the 20% darker color. If you saturate the color by 10%, you get **77.6226, 0.3457, 0.5637**, and if you desaturate by 10%, it is **78.7475, 0.3506, 0.5542**.

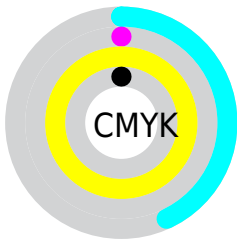
Distribution



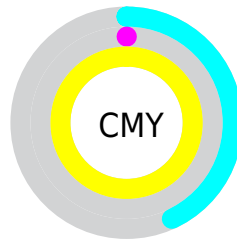
- Red (57%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (43%)



- Cyan (43%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (43%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.6310, 0.3457, 0.5637 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 77.6310, 0.3457, 0.5637 by changing the saturation by 10% instead.

 77.6310, 0.3457,
0.5637

 77.6310, 0.3457,
0.5637


486.9128, 0.3427,
0.4536


 57.7709, 0.3426,
0.5869


 130.0298, 0.3476,
0.5266


 41.6245, 0.3369,
0.6138


 163.3373, 0.3475,
0.5118


 28.8074, 0.3267,
0.6447


 201.8961, 0.3470,
0.4988

 18.9352, 0.3124,
0.6861

 246.0905, 0.3463,
0.4875

 11.6234, 0.2814,
0.7186

 296.3050, 0.3455,
0.4775

 6.4878, 0.2373,
0.7627


 352.9240, 0.3446,


 3.1439, 0.1701,


0.4686


0.8299


416.3317, 0.3436,
0.4607

 1.2073, 0.0000,
1.0000

 0.0677, 0.0000,
1.0000


 77.6310, 0.3457,
0.5637


 77.6310, 0.3457,
0.5637

 77.6226, 0.3457,
0.5637

 78.7475, 0.3506,
0.5542

 80.0602, 0.3536,
0.5397

 81.5965, 0.3542,
0.5198

 83.3764, 0.3525,
0.4956

85.4170, 0.3485,
0.4682

87.7334, 0.3429,
0.4392

90.3393, 0.3361,
0.4099

93.2474, 0.3286,
0.3813

96.4694, 0.3206,
0.3541

Harmonies

Analogous

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



77.6310, 0.4501, 0.5084



77.6310, 0.3457, 0.5637



77.6310, 0.2390, 0.5139

Triad

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



77.6310, 0.3457, 0.5637



77.6310, 0.1256, 0.1785



77.6310, 0.4817, 0.2715

Complementary

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



77.6310, 0.3457, 0.5637



10.4836, 0.1872, 0.0805

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.



77.6310, 0.3554, 0.2101



77.6310, 0.3457, 0.5637



77.6310, 0.1617, 0.1588

Square

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



77.6310, 0.3457, 0.5637



77.6310, 0.1231, 0.2424



77.6310, 0.2376, 0.1706



77.6310, 0.5486, 0.3437

Rectangle

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



77.6310, 0.3457, 0.5637



77.6310, 0.1806, 0.4192



77.6310, 0.2376, 0.1706



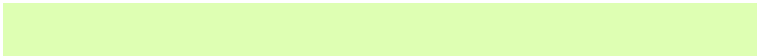
77.6310, 0.4429, 0.2493

Sweetspot

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



77.6273, 0.3457, 0.5637



90.3271, 0.3362, 0.4100



31.6335, 0.5681, 0.3871



19.0909, 0.3391, 0.4224



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.



77.6273, 0.3457, 0.5637



77.6226, 0.3457, 0.5637



71.6836, 0.3014, 0.5989



20.6812, 0.3203, 0.3530



40.6494, 0.3468, 0.5628



4.0224, 0.3547, 0.5566

Inverse Universe

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



10.4836, 0.1872, 0.0805



10.4770, 0.1872, 0.0805



24.6742, 0.2997, 0.1425



17.7576, 0.3046, 0.3049



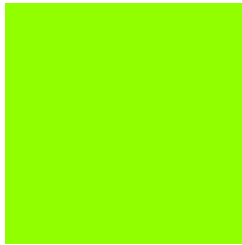
5.5583, 0.1889, 0.0814



0.6041, 0.2014, 0.0883

Previews

White Background



This preview shows how the Yxy color 77.6310, 0.3457, 0.5637 looks on a white background.

Color Contrast Check

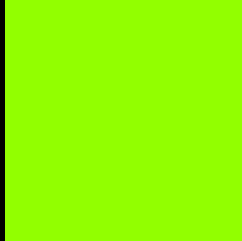
Large Text (above 18pt) WCAG AA × Fail

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 77.6310, 0.3457, 0.5637 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

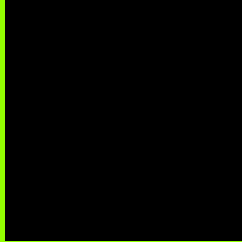
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

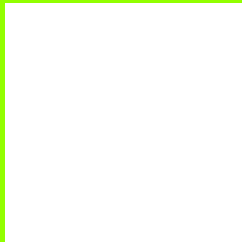
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.6310, 0.3457, 0.5637

Background



This preview shows how black text looks on a background with the Yxy color 77.6310, 0.3457, 0.5637.



This preview shows how white text looks on a background with the Yxy color 77.6310, 0.3457, 0.5637.

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

77.6310, 0.3457, 0.5637

Protanopia

76.3726, 0.4351, 0.4806

Deuteranopia

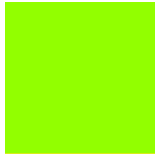
76.5977, 0.3698, 0.3772



Tritanopia

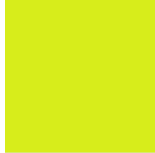
77.2534, 0.2668, 0.3091

Trichromacy



Original Color

77.6310, 0.3457, 0.5637



Protanomaly

75.0946, 0.4006, 0.5142



Deuteranomaly

74.4404, 0.3747, 0.4624



Tritanomaly

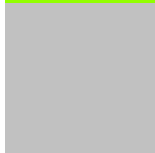
75.4170, 0.3104, 0.4288

Monochromacy



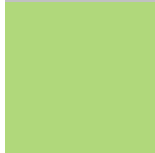
Original Color

77.6310, 0.3457, 0.5637



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

59.7719, 0.3444, 0.4472

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.6310, 0.3457, 0.5637 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(146, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(146, 255, 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(146, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 255, 0) }
```

Border

The CSS property to change the border of an element to Yxy 77.6310, 0.3457, 0.5637 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(146, 255, 0) }
```

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

```
.border{ border-color:rgb(146, 255, 0) }
```

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

Here you see how a box with a 4 pixel rgb(146, 255, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(146, 255,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 77.6310, 0.3457, 0.5637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 255, 0) }
```

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

```
.background{ background-color: rgb(146,  
255, 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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