

Converting Colors

$Y_{xy}(81.0898, 0.3665, 0.5472)$

Have a look what the booklet for
Yxy(81.0898, 0.3665, 0.5472)
contains.

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Color

Yxy(81.1037, 0.3666, 0.5471)

Conversions

Conversions Part 1

Format	Color
Hex	B3FF00
RGB	179, 255, 0
RGB Percent	70%, 100%, 0%
CMY	0.2982, 0.0000, 0.9994
CMYK	0.30, 0.00, 1.00, 0.00
HSL	78°, 100%, 50%
HSV	78°, 100%, 100%
XYZ	54.3459, 81.1037, 12.7934
YIQ	203.2060, 36.5590, -95.4170

Conversions

Conversions Part 2

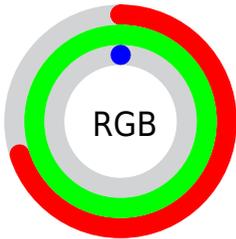
Format	Color
RYB	0, 255, 76
Decimal	11796224
CIELab	92.18, -51.29, 88.56
CIElCh	92, 102.335, 120.077
Yxy	81.1037, 0.3666, 0.5471
Android (android.graphics.Color)	4289986304 (0xFFB3FF00)
YUV	203.2060, -100.1806, -21.2287
Hunter-Lab	90.0576, -49.8838, 54.6177

Details

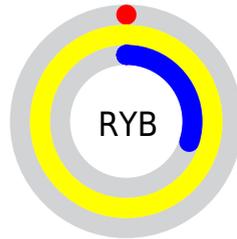
The Yxy color **81.1037, 0.3666, 0.5471** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **8.7670, 0.1684, 0.0701**, and the grayscale version is **60.4873, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8534, 0.3904, 0.4812**, and **44.3101, 0.3510, 0.5595** is the 20% darker color. If you saturate the color by 10%, you get **81.0949, 0.3666, 0.5471**, and if you desaturate by 10%, it is **82.1046, 0.3699, 0.5392**.

Distribution



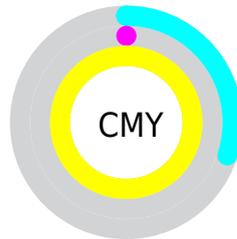
- Red (70%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (30%)



- Cyan (30%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)



- Cyan (30%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.1037, 0.3666, 0.5471 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 81.1037, 0.3666, 0.5471 by changing the saturation by 10% instead.

 81.1037, 0.3666,
0.5471

 81.1037, 0.3666,
0.5471

498.6446, 0.3536,
0.4480

 60.6270, 0.3659,
0.5672

 134.9164, 0.3650,
0.5144

 43.9242, 0.3631,
0.5901

 169.0211, 0.3636,
0.5011

 30.6109, 0.3568,
0.6161

 208.4374, 0.3619,
0.4895

 20.3028, 0.3473,
0.6496

 253.5495, 0.3602,
0.4792

 12.6153, 0.3236,
0.6764

 304.7419, 0.3585,
0.4700

 7.1642, 0.2887,
0.7113

 362.3990, 0.3568,

 3.5650, 0.2366,

0.4619

0.7634

426.9051, 0.3552,
0.4546

■ 1.4333, 0.0201,
0.9799

■ 0.2411, 0.0000,
1.0000

■ 81.1037, 0.3666,
0.5471

■ 81.1037, 0.3666,
0.5471

■ 81.0949, 0.3666,
0.5471

■ 82.1046, 0.3699,
0.5392

■ 83.2541, 0.3712,
0.5268

■ 84.5785, 0.3698,
0.5095

■ 86.0959, 0.3659,
0.4878

 87.8221, 0.3597,
0.4629

 89.7705, 0.3518,
0.4359

 91.9534, 0.3427,
0.4081

 94.3822, 0.3328,
0.3805

 97.0671, 0.3227,
0.3539

Harmonies

Analogous

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



81.1037, 0.4633, 0.4879



81.1037, 0.3666, 0.5471



81.1037, 0.2626, 0.5203

Triad

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



81.1037, 0.3666, 0.5471



81.1037, 0.1299, 0.1935



81.1037, 0.4524, 0.2625

Complementary

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



81.1037, 0.3666, 0.5471



8.7670, 0.1684, 0.0701

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.



81.1037, 0.3303, 0.2061



81.1037, 0.3666, 0.5471



81.1037, 0.1587, 0.1668

Square

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



81.1037, 0.3666, 0.5471



81.1037, 0.1343, 0.2658



81.1037, 0.2244, 0.1726



81.1037, 0.5309, 0.3315

Rectangle

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



81.1037, 0.3666, 0.5471



81.1037, 0.2020, 0.4413



81.1037, 0.2244, 0.1726



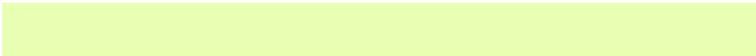
81.1037, 0.4132, 0.2417

Sweetspot

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



81.1005, 0.3666, 0.5471



91.9400, 0.3428, 0.4083



25.9412, 0.6033, 0.3591



19.4758, 0.3467, 0.4200



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.



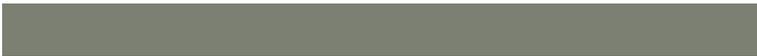
81.1005, 0.3666, 0.5471



81.0949, 0.3666, 0.5471



72.3429, 0.3070, 0.5944



20.8028, 0.3223, 0.3528



42.4551, 0.3674, 0.5464



4.1905, 0.3735, 0.5416

Inverse Universe

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



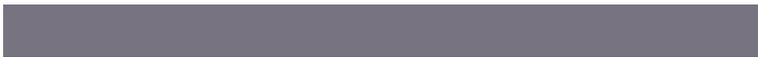
8.7670, 0.1684, 0.0701



8.7595, 0.1683, 0.0701



19.4726, 0.2656, 0.1237



17.6403, 0.3025, 0.3048



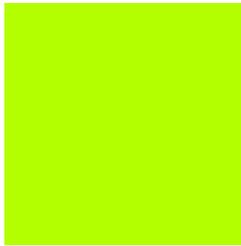
4.6441, 0.1698, 0.0709



0.5060, 0.1815, 0.0773

Previews

White Background



This preview shows how the Yxy color 81.1037, 0.3666, 0.5471 looks on a white background.

Color Contrast Check

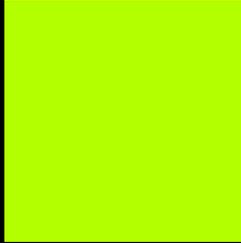
Large Text (above 18pt) WCAG AA × Fail

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 81.1037, 0.3666, 0.5471 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 81.1037, 0.3666, 0.5471

Background



This preview shows how black text looks on a background with the Yxy color 81.1037, 0.3666, 0.5471.

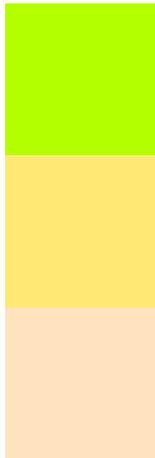


This preview shows how white text looks on a background with the Yxy color 81.1037, 0.3666, 0.5471.

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

81.1037, 0.3666, 0.5471

Protanopia

80.2342, 0.4033, 0.4417

Deuteranopia

79.9598, 0.3572, 0.3656



Tritanopia

80.7675, 0.2821, 0.3099

Trichromacy



Original Color

81.1037, 0.3666, 0.5471



Protanomaly

79.1455, 0.3965, 0.4898



Deuteranomaly

78.3044, 0.3766, 0.4504



Tritanomaly

79.0458, 0.3298, 0.4230

Monochromacy



Original Color

81.1037, 0.3666, 0.5471



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

65.2969, 0.3530, 0.4405

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.1037, 0.3666, 0.5471 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(179, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(179, 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(179, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 0) }
```

Border

The CSS property to change the border of an element to Yxy 81.1037, 0.3666, 0.5471 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(179, 255, 0) }
```

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

```
.border{ border-color:rgb(179, 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(179, 255, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(179, 255,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 81.1037, 0.3666, 0.5471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 255, 0) }
```

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

```
.background{ background-color: rgb(179,  
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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