

Converting Colors

Yxy(80.5924, 0.3638, 0.5494)

Have a look what the booklet for
Yxy(80.5924, 0.3638, 0.5494)
contains.

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Color

Yxy(80.6340, 0.3640, 0.5492)

Conversions

Conversions Part 1

Format	Color
Hex	AFFF00
RGB	175, 255, 0
RGB Percent	69%, 100%, 0%
CMY	0.3136, 0.0000, 1.0000
CMYK	0.31, 0.00, 1.00, 0.00
HSL	79°, 100%, 50%
HSV	79°, 100%, 100%
XYZ	53.4428, 80.6340, 12.7440
YIQ	202.0100, 34.1750, -96.2650

Conversions

Conversions Part 2

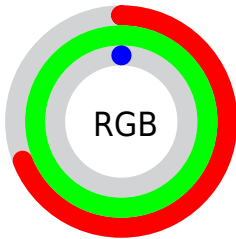
Format	Color
RYB	0, 255, 80
Decimal	11534080
CIELab	91.97, -52.70, 88.32
CIELCh	92, 102.847, 120.822
Yxy	80.6340, 0.3640, 0.5492
Android (android.graphics.Color)	4289724160 (0xFFAFFF00)
YUV	202.0100, -99.5909, -23.6878
Hunter-Lab	89.7964, -50.9086, 54.4430

Details

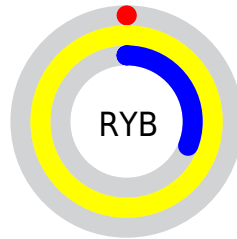
The Yxy color **80.6340, 0.3640, 0.5492** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **8.9244, 0.1702, 0.0711**, and the grayscale version is **59.6918, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.1610, 0.3876, 0.4829**, and **43.9656, 0.3472, 0.5625** is the 20% darker color. If you saturate the color by 10%, you get **80.6367, 0.3640, 0.5492**, and if you desaturate by 10%, it is **81.6623, 0.3676, 0.5411**.

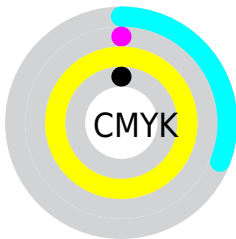
Distribution



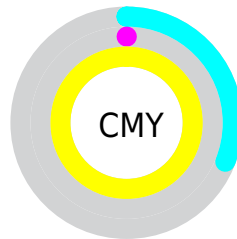
- Red (69%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (31%)



- Cyan (31%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)




- Cyan (31%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.6340, 0.3640, 0.5492 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 80.6340, 0.3640, 0.5492 by changing the saturation by 10% instead.


 80.6340, 0.3640,
0.5492

 80.6340, 0.3640,
0.5492


497.0669, 0.3523,
0.4487


 60.2402, 0.3630,
0.5697


 134.2567, 0.3629,
0.5160

 43.6123, 0.3598,
0.5931

 168.2545, 0.3616,
0.5025


 30.3658, 0.3531,
0.6197


 207.5556, 0.3600,
0.4907

 20.1164, 0.3430,
0.6541

 252.5447, 0.3585,
0.4802

 12.4797, 0.3183,
0.6817

 303.6059, 0.3568,
0.4710

 7.0713, 0.2822,
0.7178

 361.1237, 0.3553,

 3.5067, 0.2285,

0.4627

0.7715

425.4826, 0.3537,
0.4554

■ 1.4016, 0.0000,
1.0000

■ 0.2179, 0.0000,
1.0000

■ 80.6340, 0.3640,
0.5492

■ 80.6340, 0.3640,
0.5492


■ 80.6367, 0.3640,
0.5492

■ 81.6623, 0.3676,
0.5411


■ 82.8378, 0.3690,
0.5284

■ 84.1932, 0.3679,
0.5108


■ 85.7467, 0.3643,
0.4889

 87.5142, 0.3584,
0.4637

 89.5094, 0.3508,
0.4365

 91.7446, 0.3420,
0.4085

 94.2312, 0.3324,
0.3808

 96.9797, 0.3225,
0.3541

Harmonies

Analogous

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



80.6340, 0.4617, 0.4904



80.6340, 0.3640, 0.5492



80.6340, 0.2596, 0.5197

Triad

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



80.6340, 0.3640, 0.5492



80.6340, 0.1293, 0.1915



80.6340, 0.4561, 0.2636

Complementary

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



80.6340, 0.3640, 0.5492



8.9244, 0.1702, 0.0711

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.



80.6340, 0.3334, 0.2066



80.6340, 0.3640, 0.5492



80.6340, 0.1590, 0.1657

Square

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



80.6340, 0.3640, 0.5492



80.6340, 0.1328, 0.2628



80.6340, 0.2260, 0.1724



80.6340, 0.5332, 0.3331

Rectangle

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



80.6340, 0.3640, 0.5492



80.6340, 0.1992, 0.4386



80.6340, 0.2260, 0.1724



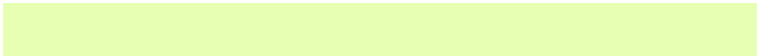
80.6340, 0.4169, 0.2427

Sweetspot

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



80.6367, 0.3640, 0.5492



91.7446, 0.3420, 0.4085



26.4981, 0.5995, 0.3622



19.4290, 0.3458, 0.4203



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.



80.6367, 0.3640, 0.5492



72.2238, 0.3060, 0.5953



20.7883, 0.3220, 0.3528



42.2174, 0.3649, 0.5485



4.1687, 0.3712, 0.5434

Inverse Universe

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



8.9244, 0.1702, 0.0711



20.0574, 0.2698, 0.1260



17.6541, 0.3028, 0.3048



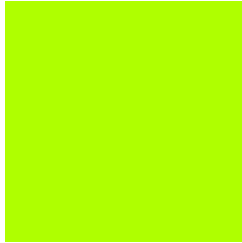
4.7327, 0.1717, 0.0719



0.5160, 0.1836, 0.0785

Previews

White Background



This preview shows how the Yxy color 80.6340, 0.3640, 0.5492 looks on a white background.

Color Contrast Check

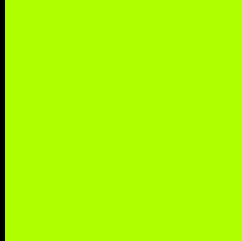
Large Text (above 18pt) WCAG AA × Fail

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 80.6340, 0.3640, 0.5492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

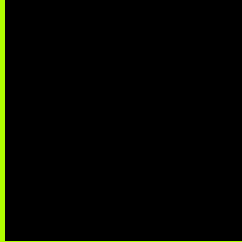
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

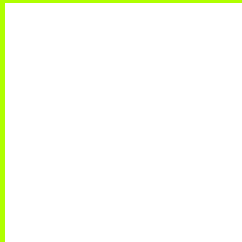
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.6340, 0.3640, 0.5492

Background



This preview shows how black text looks on a background with the Yxy color 80.6340, 0.3640, 0.5492.

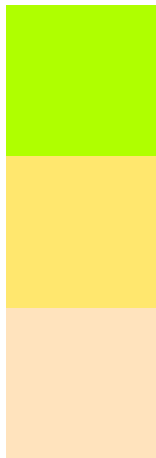


This preview shows how white text looks on a background with the Yxy color 80.6340, 0.3640, 0.5492.

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

80.6340, 0.3640, 0.5492

Protanopia

79.5376, 0.4070, 0.4457

Deuteranopia

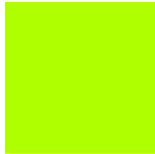
79.8723, 0.3586, 0.3677



Tritanopia

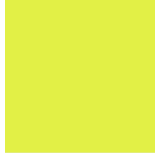
80.2059, 0.2797, 0.3098

Trichromacy



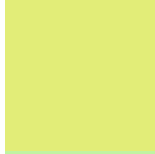
Original Color

80.6340, 0.3640, 0.5492



Protanomaly

78.9311, 0.3971, 0.4926



Deuteranomaly

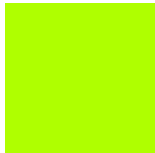
78.0932, 0.3769, 0.4526



Tritanomaly

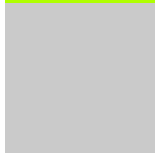
78.5165, 0.3271, 0.4238

Monochromacy



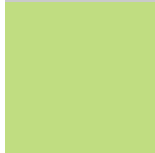
Original Color

80.6340, 0.3640, 0.5492



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

64.5043, 0.3518, 0.4401

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.6340, 0.3640, 0.5492 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(175, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(175, 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(175, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 255, 0) }
```

Border

The CSS property to change the border of an element to Yxy 80.6340, 0.3640, 0.5492 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(175, 255, 0) }
```

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

```
.border{ border-color:rgb(175, 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(175, 255, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(175, 255,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 80.6340, 0.3640, 0.5492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 255, 0) }
```

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

```
.background{ background-color: rgb(175,  
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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