

Converting Colors

$Yxy(80.0505, 0.3608, 0.5516)$

Have a look what the booklet for
Yxy(80.0505, 0.3608, 0.5516)
contains.

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Color

Yxy(80.0682, 0.3606, 0.5517)

Conversions

Conversions Part 1

Format	Color
Hex	AAFF01
RGB	170, 255, 1
RGB Percent	67%, 100%, 0%
CMY	0.3336, 0.0000, 0.9955
CMYK	0.33, 0.00, 1.00, 0.00
HSL	80°, 100%, 50%
HSV	80°, 100%, 100%
XYZ	52.3339, 80.0682, 12.7279
YIQ	200.6290, 30.8740, -97.0140

Conversions

Conversions Part 2

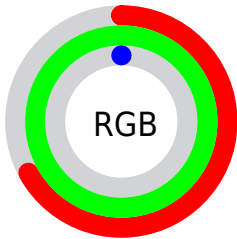
Format	Color
R_{YB}	1, 255, 86
Decimal	11206401
CIE Lab	91.72, -54.48, 87.93
CIE LCh	92, 103.436, 121.782
Yxy	80.0682, 0.3606, 0.5517
Android (android.graphics.Color)	4289396481 (0xFFAAFF01)
YUV	200.6290, -98.4171, -26.8616
Hunter-Lab	89.4808, -52.1937, 54.2031

Details

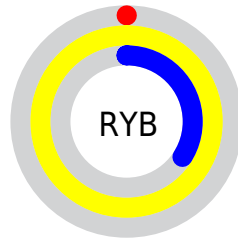
The Yxy color **80.0682, 0.3606, 0.5517** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **9.2324, 0.1734, 0.0730**, and the grayscale version is **58.7715, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3171, 0.3841, 0.4850**, and **43.6394, 0.3434, 0.5655** is the 20% darker color. If you saturate the color by 10%, you get **80.0170, 0.3604, 0.5520**, and if you desaturate by 10%, it is **81.1198, 0.3644, 0.5432**.

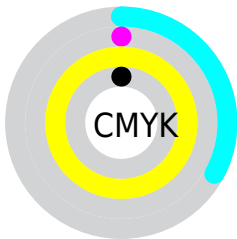
Distribution



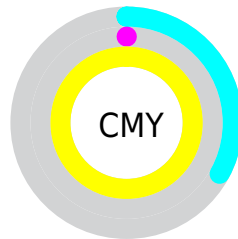
- Red (67%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (34%)



- Cyan (33%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (33%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.0682, 0.3606, 0.5517 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 80.0682, 0.3606, 0.5517 by changing the saturation by 10% instead.


 80.0682, 0.3606,
0.5517


 80.0682, 0.3606,
0.5517


495.1626, 0.3505,
0.4495

 59.7745, 0.3592,
0.5726

 133.4616, 0.3600,
0.5178


 43.2369, 0.3556,
0.5967


 167.3301, 0.3589,
0.5041

 30.0710, 0.3483,
0.6241


 206.4923, 0.3576,
0.4920

 19.8925, 0.3374,
0.6597

 251.3326, 0.3562,
0.4814

 12.3169, 0.3117,
0.6883

 302.2354, 0.3547,
0.4721

 6.9599, 0.2741,
0.7259


 359.5850, 0.3532,


 3.4370, 0.2184,


0.4637


0.7816


423.7660, 0.3518,
0.4562


 1.3639, 0.0000,
1.0000


 0.1899, 0.0000,
1.0000

 80.0682, 0.3606,
0.5517


 80.0682, 0.3606,
0.5517

 80.0170, 0.3604,
0.5520

 81.1198, 0.3644,
0.5432

 82.3375, 0.3661,
0.5299

 83.7433, 0.3652,
0.5117

 85.3558, 0.3618,
0.4891

87.1907, 0.3563,
0.4634

89.2618, 0.3490,
0.4358

91.5818, 0.3405,
0.4075

94.1621, 0.3313,
0.3797

97.0134, 0.3218,
0.3530

Harmonies

Analogous

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



80.0682, 0.4595, 0.4937



80.0682, 0.3606, 0.5517



80.0682, 0.2558, 0.5185

Triad

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



80.0682, 0.3606, 0.5517



80.0682, 0.1287, 0.1891



80.0682, 0.4608, 0.2652

Complementary

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



80.0682, 0.3606, 0.5517



9.2324, 0.1734, 0.0730

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.



80.0682, 0.3374, 0.2074



80.0682, 0.3606, 0.5517



80.0682, 0.1597, 0.1645

Square

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



80.0682, 0.3606, 0.5517



80.0682, 0.1311, 0.2589



80.0682, 0.2282, 0.1721



80.0682, 0.5360, 0.3352

Rectangle

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



80.0682, 0.3606, 0.5517



80.0682, 0.1958, 0.4349



80.0682, 0.2282, 0.1721



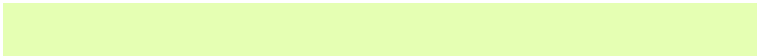
80.0682, 0.4217, 0.2440

Sweetspot

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



80.0618, 0.3606, 0.5517



91.4730, 0.3409, 0.4088



27.8793, 0.5901, 0.3693



19.3640, 0.3446, 0.4207



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.



80.0618, 0.3606, 0.5517



80.0170, 0.3604, 0.5520



72.0458, 0.3044, 0.5963



20.7681, 0.3217, 0.3528



41.8958, 0.3614, 0.5513



4.1392, 0.3680, 0.5460

Inverse Universe

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



9.2324, 0.1734, 0.0730



9.1720, 0.1730, 0.0727



21.3444, 0.2785, 0.1309



17.6734, 0.3031, 0.3048



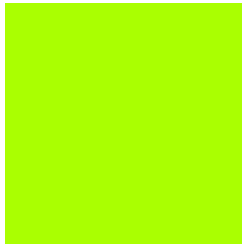
4.8653, 0.1745, 0.0735



0.5307, 0.1867, 0.0802

Previews

White Background



This preview shows how the Yxy color 80.0682, 0.3606, 0.5517 looks on a white background.

Color Contrast Check

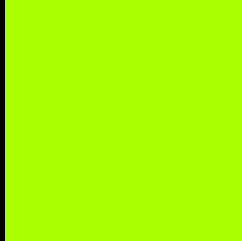
Large Text (above 18pt) WCAG AA × Fail

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 80.0682, 0.3606, 0.5517 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

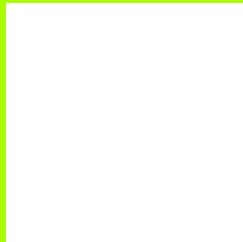
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.0682, 0.3606, 0.5517

Background



This preview shows how black text looks on a background with the Yxy color 80.0682, 0.3606, 0.5517.

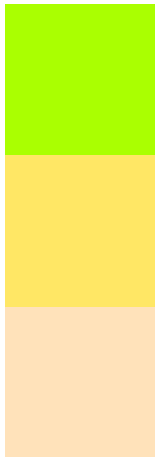


This preview shows how white text looks on a background with the Yxy color 80.0682, 0.3606, 0.5517.

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

80.0682, 0.3606, 0.5517

Protanopia

79.3514, 0.4116, 0.4526

Deuteranopia

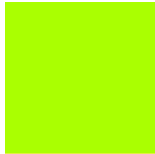
79.1979, 0.3609, 0.3698



Tritanopia

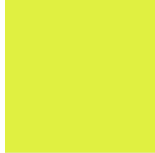
79.6587, 0.2774, 0.3097

Trichromacy



Original Color

80.0682, 0.3606, 0.5517



Protanomaly

78.5491, 0.3972, 0.4963



Deuteranomaly

77.7476, 0.3760, 0.4542



Tritanomaly

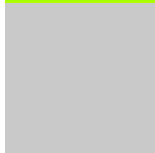
77.9105, 0.3233, 0.4236

Monochromacy



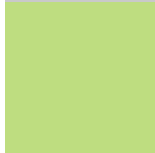
Original Color

80.0682, 0.3606, 0.5517



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

64.2186, 0.3508, 0.4419

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.0682, 0.3606, 0.5517 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(170, 255, 1)` looks like.

```
.text, #text, p{  
    color:rgb(170, 255, 1)  
}
```

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(170, 255, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 255, 1) }
```

Border

The CSS property to change the border of an element to Yxy 80.0682, 0.3606, 0.5517 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(170, 255, 1) }
```

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

```
.border{ border-color:rgb(170, 255, 1) }
```

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

Here you see how a box with a 4 pixel rgb(170, 255, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 255, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 255, 1);  
box-shadow:4px 4px 4px 4px rgb(170, 255,  
1) }
```


Background

The CSS property to change the background color of an element to Yxy 80.0682, 0.3606, 0.5517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 255, 1) }
```

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

```
.background{ background-color: rgb(170,  
255, 1) }
```

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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