

Converting Colors

$Yxy(80.3082, 0.3616, 0.5498)$

Have a look what the booklet for
Yxy(80.3082, 0.3616, 0.5498)
contains.

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Color

Yxy(80.3082, 0.3616, 0.5498)

Conversions

Conversions Part 1

Format	Color
Hex	ACFF08
RGB	172, 255, 8
RGB Percent	67%, 100%, 3%
CMY	0.3254, 0.0000, 0.9692
CMYK	0.33, 0.00, 0.97, 0.00
HSL	80°, 100%, 52%
HSV	80°, 97%, 100%
XYZ	52.8182, 80.3082, 12.9416
YIQ	202.0250, 29.8190, -94.4130

Conversions

Conversions Part 2

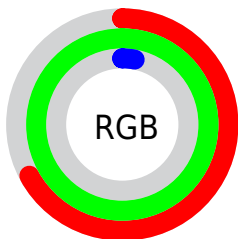
Format	Color
RYB	8, 255, 91
Decimal	11337480
CIELab	91.82, -53.68, 87.57
CIELCh	92, 102.712, 121.510
Yxy	80.3082, 0.3616, 0.5498
Android (android.graphics.Color)	4289527560 (0xFFACFF08)
YUV	202.0250, -95.6543, -26.3319
Hunter-Lab	89.6148, -51.6196, 54.1681

Details

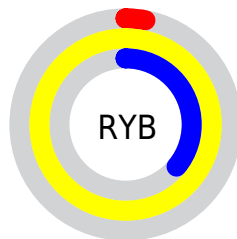
The Yxy color **80.3082, 0.3616, 0.5498** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **9.6067, 0.1762, 0.0755**, and the grayscale version is **59.6656, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6882, 0.3847, 0.4828**, and **43.7677, 0.3449, 0.5643** is the 20% darker color. If you saturate the color by 10%, you get **79.9964, 0.3603, 0.5521**, and if you desaturate by 10%, it is **81.4041, 0.3650, 0.5402**.

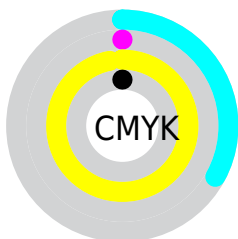
Distribution



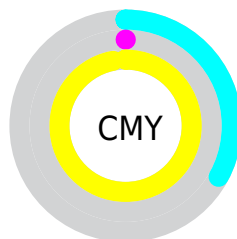
- Red (67%)
- Green (100%)
- Blue (3%)



- Red (3%)
- Yellow (100%)
- Blue (36%)



- Cyan (33%)
- Magenta (0%)
- Yellow (97%)
- Black (0%)




- Cyan (33%)
- Magenta (0%)
- Yellow (97%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 80.3082, 0.3616, 0.5498 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 80.3082, 0.3616, 0.5498 by changing the saturation by 10% instead.


 80.3082, 0.3616,
0.5498

 80.3082, 0.3616,
0.5498


 495.9709, 0.3508,
0.4486

 59.9720, 0.3604,
0.5705

 133.7990, 0.3608,
0.5162


 43.3961, 0.3571,
0.5944


 167.7223, 0.3596,
0.5026


 30.1960, 0.3501,
0.6215


 206.9435, 0.3582,
0.4907

 19.9874, 0.3395,
0.6564

 251.8469, 0.3567,
0.4802

 12.3859, 0.3146,
0.6854

 302.8170, 0.3552,
0.4709

 7.0071, 0.2777,
0.7223

 360.2381, 0.3537,

 3.4665, 0.2229,

0.4627

0.7771

424.4946, 0.3522,
0.4553

■ 1.3799, 0.0000,
1.0000

■ 0.2018, 0.0000,
1.0000

■ 80.3082, 0.3616,
0.5498

■ 80.3082, 0.3616,
0.5498

■ 79.9964, 0.3603,
0.5521

■ 81.4041, 0.3650,
0.5402

■ 82.6705, 0.3660,
0.5256

■ 84.1306, 0.3645,
0.5061

■ 85.8019, 0.3605,
0.4826

■ 87.6998, 0.3544,
0.4562

■ 89.8376, 0.3468,
0.4284

■ 92.2276, 0.3381,
0.4001

■ 94.8811, 0.3287,
0.3725

■ 97.8086, 0.3192,
0.3462

Harmonies

Analogous

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



80.3082, 0.4597, 0.4922



80.3082, 0.3616, 0.5498



80.3082, 0.2573, 0.5176

Triad

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



80.3082, 0.3616, 0.5498



80.3082, 0.1296, 0.1905



80.3082, 0.4586, 0.2651

Complementary

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



80.3082, 0.3616, 0.5498



9.6067, 0.1762, 0.0755

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.



80.3082, 0.3362, 0.2077



80.3082, 0.3616, 0.5498



80.3082, 0.1601, 0.1656

Square

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



80.3082, 0.3616, 0.5498



80.3082, 0.1324, 0.2605



80.3082, 0.2280, 0.1728



80.3082, 0.5341, 0.3348

Rectangle

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



80.3082, 0.3616, 0.5498



80.3082, 0.1974, 0.4353



80.3082, 0.2280, 0.1728



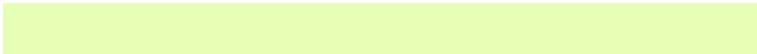
80.3082, 0.4197, 0.2441

Sweetspot

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



80.3091, 0.3616, 0.5498



91.7091, 0.3399, 0.4060



28.6295, 0.5841, 0.3720



19.4095, 0.3437, 0.4180



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.



80.3091, 0.3616, 0.5498



79.9964, 0.3603, 0.5521



72.1913, 0.3052, 0.5943



20.7674, 0.3217, 0.3528



41.8851, 0.3612, 0.5514



4.1382, 0.3679, 0.5461

Inverse Universe

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



9.6067, 0.1762, 0.0755



9.1807, 0.1731, 0.0727



21.6579, 0.2796, 0.1322



17.6741, 0.3031, 0.3048



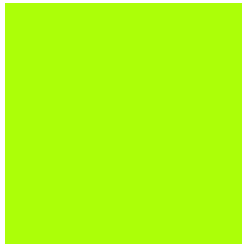
4.8700, 0.1746, 0.0736



0.5312, 0.1868, 0.0803

Previews

White Background



This preview shows how the Yxy color 80.3082, 0.3616, 0.5498 looks on a white background.

Color Contrast Check

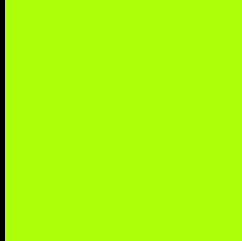
Large Text (above 18pt) WCAG AA × Fail

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 80.3082, 0.3616, 0.5498 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 80.3082, 0.3616, 0.5498

Background



This preview shows how black text looks on a background with the Yxy color 80.3082, 0.3616, 0.5498.

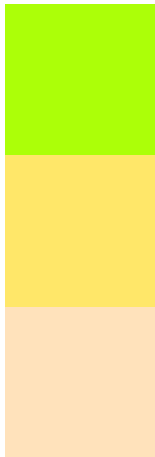


This preview shows how white text looks on a background with the Yxy color 80.3082, 0.3616, 0.5498.

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

80.3082, 0.3616, 0.5498

Protanopia

79.4317, 0.4096, 0.4496

Deuteranopia

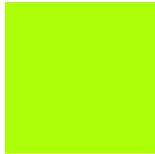
79.2406, 0.3602, 0.3688



Tritanopia

79.9305, 0.2786, 0.3097

Trichromacy



Original Color

80.3082, 0.3616, 0.5498



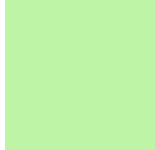
Protanomaly

78.7699, 0.3964, 0.4931



Deuteranomaly

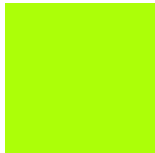
77.9811, 0.3751, 0.4511



Tritanomaly

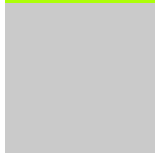
78.2368, 0.3235, 0.4209

Monochromacy



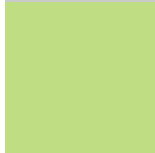
Original Color

80.3082, 0.3616, 0.5498



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

64.4280, 0.3498, 0.4381

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.3082, 0.3616, 0.5498 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(172, 255, 8)` looks like.

```
.text, #text, p{  
    color:rgb(172, 255, 8)  
}
```

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(172, 255, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 255, 8) }
```

Border

The CSS property to change the border of an element to Yxy 80.3082, 0.3616, 0.5498 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(172, 255, 8) }
```

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

```
.border{ border-color:rgb(172, 255, 8) }
```

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

Here you see how a box with a 4 pixel rgb(172, 255, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 255, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 255, 8);  
box-shadow:4px 4px 4px 4px rgb(172, 255,  
8) }
```


Background

The CSS property to change the background color of an element to Yxy 80.3082, 0.3616, 0.5498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 255, 8) }
```

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

```
.background{ background-color: rgb(172,  
255, 8) }
```

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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