

Converting Colors

$Y_{xy}(100.0000, 0.3246, 0.5074)$

Have a look what the booklet for
Yxy(100.0000, 0.3246, 0.5074)
contains.

Yxy(80.7205, 0.3295, 0.4895)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(80.7205, 0.3295, 0.4895)

Conversions

Conversions Part 1

Format	Color
Hex	A4FF76
RGB	164, 255, 118
RGB Percent	64%, 100%, 46%
CMY	0.3569, 0.0000, 0.5373
CMYK	0.36, 0.00, 0.54, 0.00
HSL	100°, 100%, 73%
HSV	100°, 54%, 100%
XYZ	54.3359, 80.7205, 29.8476
YIQ	212.1730, -10.2590, -61.8990

Conversions

Conversions Part 2

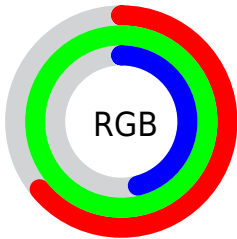
Format	Color
RYB	118, 255, 209
Decimal	10813302
CIELab	92.01, -50.58, 56.30
CIElCh	92, 75.679, 131.935
Yxy	80.7205, 0.3295, 0.4895
Android (android.graphics.Color)	4289003382 (0xFFA4FF76)
YUV	212.1730, -46.4273, -42.2477
Hunter-Lab	89.8446, -49.2755, 43.1942

Details

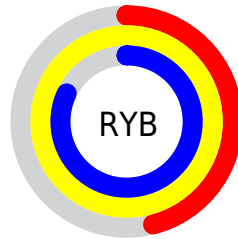
The Yxy color **80.7205, 0.3295, 0.4895** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **33.7254, 0.2777, 0.1843**, and the grayscale version is **66.2733, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2251, 0.3398, 0.4157**, and **43.8225, 0.3270, 0.5295** is the 20% darker color. If you saturate the color by 10%, you get **78.5082, 0.3294, 0.5198**, and if you desaturate by 10%, it is **83.3318, 0.3281, 0.4573**.

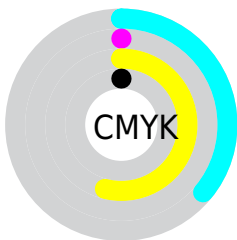
Distribution



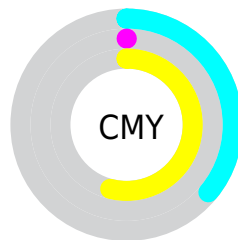
- Red (64%)
- Green (100%)
- Blue (46%)



- Red (46%)
- Yellow (100%)
- Blue (82%)



- Cyan (36%)
- Magenta (0%)
- Yellow (54%)
- Black (0%)





- Cyan (36%)
- Magenta (0%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.7205, 0.3295, 0.4895 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 80.7205, 0.3295, 0.4895 by changing the saturation by 10% instead.

 80.7205, 0.3295,
0.4895

 80.7205, 0.3295,
0.4895


497.3577, 0.3263,
0.4123


 60.3114, 0.3289,
0.5073


 134.3782, 0.3294,
0.4625

 43.6697, 0.3274,
0.5292


 168.3957, 0.3291,
0.4520

 30.4109, 0.3244,
0.5565


 207.7181, 0.3286,
0.4430

 20.1507, 0.3184,
0.5912

252.7298, 0.3282,
0.4352

 12.5046, 0.3067,
0.6356

303.8152, 0.3277,
0.4284

 7.0883, 0.2908,
0.7092


361.3587, 0.3272,


 3.5174, 0.2390,


0.4224


0.7610


425.7447, 0.3267,
0.4171


 1.4075, 0.0200,
0.9800


 0.2222, 0.0000,
1.0000


 80.7205, 0.3295,
0.4895


 80.7205, 0.3295,
0.4895


 78.5082, 0.3294,
0.5198

 83.3318, 0.3281,
0.4573


 76.6792, 0.3277,
0.5463


 86.3703, 0.3256,
0.4249


 75.2053, 0.3243,
0.5672

 89.8529, 0.3222,
0.3938

 74.0566, 0.3195,
0.5813

 93.7976, 0.3184,
0.3648

 73.4804, 0.3161,
0.5872

 98.2215, 0.3143,
0.3382

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



80.7205, 0.4093, 0.4771



80.7205, 0.3295, 0.4895



80.7205, 0.2496, 0.4345

Triad

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



80.7205, 0.3295, 0.4895



80.7205, 0.1726, 0.2121



80.7205, 0.4462, 0.3015

Complementary

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



80.7205, 0.3295, 0.4895



33.7254, 0.2777, 0.1843

Split Complementary

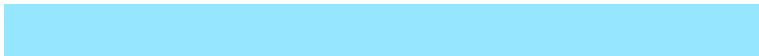
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.7205, 0.3641, 0.2489



80.7205, 0.3295, 0.4895



80.7205, 0.2090, 0.1991

Square

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



80.7205, 0.3295, 0.4895



80.7205, 0.1662, 0.2574



80.7205, 0.2755, 0.2128



80.7205, 0.4851, 0.3624

Rectangle

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



80.7205, 0.3295, 0.4895



80.7205, 0.2074, 0.3714



80.7205, 0.2755, 0.2128



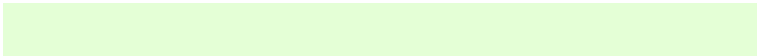
80.7205, 0.4220, 0.2827

Sweetspot

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



80.7181, 0.3295, 0.4895



92.8627, 0.3193, 0.3711



67.2132, 0.4161, 0.4184



19.6991, 0.3201, 0.3770



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.



80.7181, 0.3295, 0.4895



78.4550, 0.3294, 0.5206



77.2202, 0.2959, 0.4775



20.4644, 0.3167, 0.3532



38.4679, 0.3172, 0.5863



3.8025, 0.3257, 0.5796

Inverse Universe

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



33.7254, 0.2777, 0.1843



27.1472, 0.2685, 0.1594



40.1774, 0.3377, 0.2167



17.9770, 0.3084, 0.3052



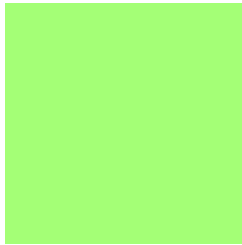
8.2874, 0.2376, 0.1083



0.8669, 0.2472, 0.1135

Previews

White Background



This preview shows how the Yxy color 80.7205, 0.3295, 0.4895 looks on a white background.

Color Contrast Check

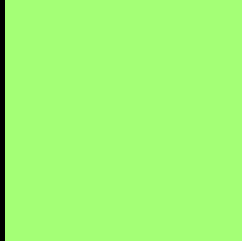
Large Text (above 18pt) WCAG AA × Fail

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 80.7205, 0.3295, 0.4895 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

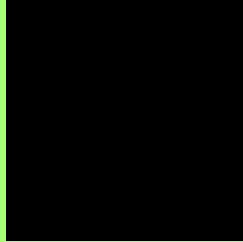
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

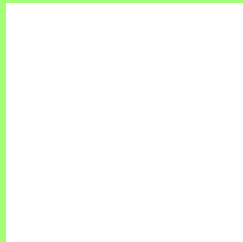
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.7205, 0.3295, 0.4895

Background



This preview shows how black text looks on a background with the Yxy color 80.7205, 0.3295, 0.4895.



This preview shows how white text looks on a background with the Yxy color 80.7205, 0.3295, 0.4895.

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

80.7205, 0.3295, 0.4895

Protanopia

79.6728, 0.4038, 0.4409

Deuteranopia

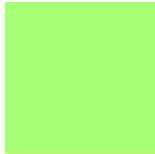
79.5030, 0.3560, 0.3626



Tritanopia

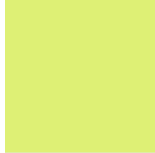
80.4223, 0.2759, 0.3118

Trichromacy



Original Color

80.7205, 0.3295, 0.4895



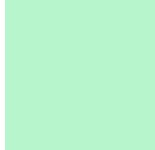
Protanomaly

79.1341, 0.3742, 0.4592



Deuteranomaly

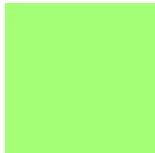
78.8511, 0.3471, 0.4067



Tritanomaly

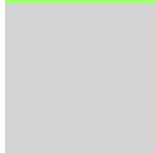
79.7799, 0.2970, 0.3749

Monochromacy



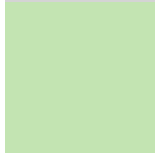
Original Color

80.7205, 0.3295, 0.4895



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

70.3033, 0.3217, 0.3880

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.7205, 0.3295, 0.4895 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(164, 255, 118)` looks like.

```
.text, #text, p{  
    color:rgb(164, 255, 118)  
}
```

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(164, 255, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 255, 118) }
```

Border

The CSS property to change the border of an element to Yxy 80.7205, 0.3295, 0.4895 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(164, 255, 118) }
```

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

```
.border{ border-color:rgb(164, 255, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 255, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 255, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 255, 118);  
box-shadow:4px 4px 4px 4px rgb(164, 255,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 80.7205, 0.3295, 0.4895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 255, 118) }
```

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

```
.background{ background-color: rgb(164,  
255, 118) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor