

Converting Colors

$Yxy(80.3082, 0.3274, 0.4912)$

Have a look what the booklet for
Yxy(80.3082, 0.3274, 0.4912)
contains.

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Color

Yxy(80.2779, 0.3275, 0.4917)

Conversions

Conversions Part 1

Format	Color
Hex	A0FF75
RGB	160, 255, 117
RGB Percent	63%, 100%, 46%
CMY	0.3726, 0.0000, 0.5410
CMYK	0.37, 0.00, 0.54, 0.00
HSL	101°, 100%, 73%
HSV	101°, 54%, 100%
XYZ	53.4696, 80.2779, 29.5185
YIQ	210.8630, -12.3220, -63.0580

Conversions

Conversions Part 2

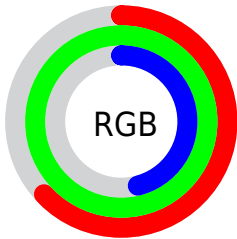
Format	Color
RYB	117, 255, 212
Decimal	10551157
CIELab	91.81, -51.94, 56.44
CIELCh	92, 76.700, 132.624
Yxy	80.2779, 0.3275, 0.4917
Android (android.graphics.Color)	4288741237 (0xFFA0FF75)
YUV	210.8630, -46.2745, -44.6069
Hunter-Lab	89.5979, -50.2724, 43.1852

Details

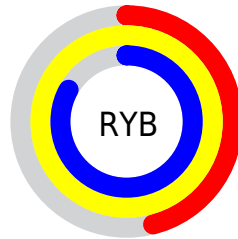
The Yxy color **80.2779, 0.3275, 0.4917** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **33.9560, 0.2804, 0.1846**, and the grayscale version is **65.3660, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5586, 0.3377, 0.4176**, and **43.5718, 0.3246, 0.5323** is the 20% darker color. If you saturate the color by 10%, you get **78.0744, 0.3271, 0.5223**, and if you desaturate by 10%, it is **82.9022, 0.3265, 0.4592**.

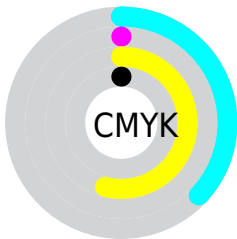
Distribution



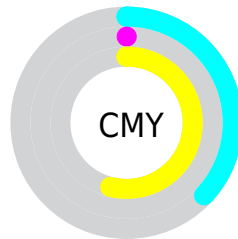
- Red (63%)
- Green (100%)
- Blue (46%)



- Red (46%)
- Yellow (100%)
- Blue (83%)



- Cyan (37%)
- Magenta (0%)
- Yellow (54%)
- Black (0%)



- Cyan (37%)
- Magenta (0%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.2779, 0.3275, 0.4917 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 80.2779, 0.3275, 0.4917 by changing the saturation by 10% instead.

 80.2779, 0.3275,
0.4917

 80.2779, 0.3275,
0.4917


495.8689, 0.3253,
0.4132

 59.9471, 0.3266,
0.5098

 133.7564, 0.3278,
0.4642

 43.3760, 0.3248,
0.5322

 167.6728, 0.3276,
0.4535

 30.1802, 0.3213,
0.5601

 206.8865, 0.3273,
0.4444

 19.9754, 0.3147,
0.5955

251.7820, 0.3269,
0.4365

 12.3772, 0.3021,
0.6409

302.7436, 0.3265,
0.4296

 7.0011, 0.2845,
0.7155


360.1557, 0.3261,


 3.4628, 0.2311,


0.4235


0.7689


424.4026, 0.3257,
0.4181


 1.3778, 0.0000,
1.0000


 0.2003, 0.0000,
1.0000

 80.2779, 0.3275,
0.4917


 80.2779, 0.3275,
0.4917


 78.0744, 0.3271,
0.5223


 82.9022, 0.3265,
0.4592


 76.2647, 0.3252,
0.5489


 85.9666, 0.3243,
0.4265

 74.8225, 0.3217,
0.5697

 89.4926, 0.3214,
0.3951

 73.7162, 0.3169,
0.5835

 93.4992, 0.3180,
0.3658

 73.1995, 0.3139,
0.5889

 98.0043, 0.3143,
0.3392

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.



80.2779, 0.4086, 0.4800



80.2779, 0.3275, 0.4917



80.2779, 0.2469, 0.4344

Triad

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



80.2779, 0.3275, 0.4917



80.2779, 0.1714, 0.2099



80.2779, 0.4498, 0.3023

Complementary

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



80.2779, 0.3275, 0.4917



33.9560, 0.2804, 0.1846

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.



80.2779, 0.3670, 0.2489



80.2779, 0.3275, 0.4917



80.2779, 0.2088, 0.1976

Square

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



80.2779, 0.3275, 0.4917



80.2779, 0.1642, 0.2548



80.2779, 0.2768, 0.2119



80.2779, 0.4878, 0.3639

Rectangle

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



80.2779, 0.3275, 0.4917



80.2779, 0.2046, 0.3696



80.2779, 0.2768, 0.2119



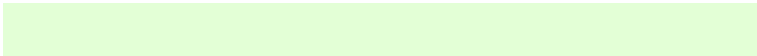
80.2779, 0.4255, 0.2832

Sweetspot

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



80.2788, 0.3275, 0.4917



92.7006, 0.3186, 0.3712



69.2897, 0.4142, 0.4231



19.6607, 0.3194, 0.3771



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.



80.2788, 0.3275, 0.4917



77.8959, 0.3270, 0.5249



77.2679, 0.2938, 0.4729



20.4424, 0.3163, 0.3532



38.3174, 0.3150, 0.5881



3.7858, 0.3233, 0.5815

Inverse Universe

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



33.9560, 0.2804, 0.1846



27.1578, 0.2713, 0.1589



39.6892, 0.3425, 0.2198



18.0001, 0.3088, 0.3052



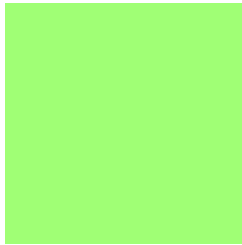
8.6540, 0.2434, 0.1114



0.9006, 0.2524, 0.1164

Previews

White Background



This preview shows how the Yxy color 80.2779, 0.3275, 0.4917 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 80.2779, 0.3275, 0.4917 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 80.2779, 0.3275, 0.4917

Background



This preview shows how black text looks on a background with the Yxy color 80.2779, 0.3275, 0.4917.

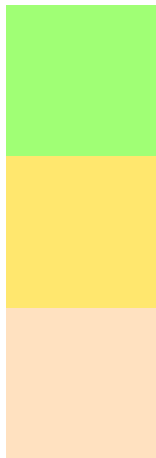


This preview shows how white text looks on a background with the Yxy color 80.2779, 0.3275, 0.4917.

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

80.2779, 0.3275, 0.4917

Protanopia

79.5376, 0.4070, 0.4457

Deuteranopia

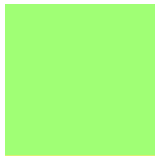
78.9162, 0.3570, 0.3627



Tritanopia

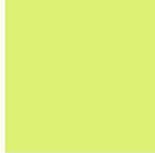
79.4454, 0.2741, 0.3106

Trichromacy



Original Color

80.2779, 0.3275, 0.4917



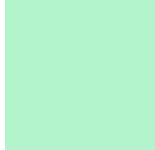
Protanomaly

78.7281, 0.3748, 0.4635



Deuteranomaly

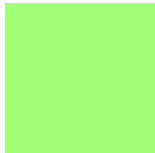
77.9232, 0.3465, 0.4072



Tritanomaly

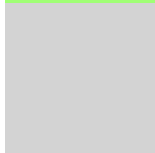
78.8124, 0.2952, 0.3741

Monochromacy



Original Color

80.2779, 0.3275, 0.4917



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

69.3190, 0.3203, 0.3885

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.2779, 0.3275, 0.4917 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(160, 255, 117)` looks like.

```
.text, #text, p{  
    color:rgb(160, 255, 117)  
}
```

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(160, 255, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 255, 117) }
```

Border

The CSS property to change the border of an element to Yxy 80.2779, 0.3275, 0.4917 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(160, 255, 117) }
```

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

```
.border{ border-color:rgb(160, 255, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 255, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(160, 255, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(160, 255, 117); box-shadow:4px 4px 4px 4px rgb(160, 255, 117) }
```


Background

The CSS property to change the background color of an element to Yxy 80.2779, 0.3275, 0.4917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 255, 117) }
```

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

```
.background{ background-color: rgb(160,  
255, 117) }
```

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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