

Converting Colors

$Yxy(82.1810, 0.3381, 0.4861)$

Have a look what the booklet for
Yxy(82.1810, 0.3381, 0.4861)
contains.

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Color

Yxy(82.1515, 0.3380, 0.4863)

Conversions

Conversions Part 1

Format	Color
Hex	B1FF75
RGB	177, 255, 117
RGB Percent	69%, 100%, 46%
CMY	0.3060, 0.0000, 0.5411
CMYK	0.31, 0.00, 0.54, 0.00
HSL	94°, 100%, 73%
HSV	94°, 54%, 100%
XYZ	57.0989, 82.1515, 29.6813
YIQ	215.9460, -2.1900, -59.4540

Conversions

Conversions Part 2

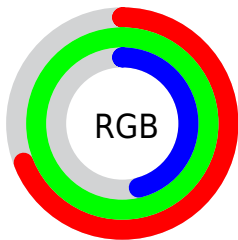
Format	Color
RYB	117, 255, 195
Decimal	11665269
CIELab	92.64, -46.39, 57.63
CIELCh	93, 73.986, 128.832
Yxy	82.1515, 0.3380, 0.4863
Android (android.graphics.Color)	4289855349 (0xFFB1FF75)
YUV	215.9460, -48.7804, -34.1556
Hunter-Lab	90.6375, -46.1658, 44.0304

Details

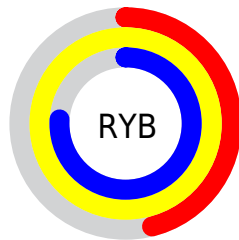
The Yxy color **82.1515, 0.3380, 0.4863** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **31.5544, 0.2656, 0.1786**, and the grayscale version is **68.9660, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.3314, 0.3491, 0.4143**, and **44.7401, 0.3377, 0.5239** is the 20% darker color. If you saturate the color by 10%, you get **80.0241, 0.3390, 0.5150**, and if you desaturate by 10%, it is **84.6163, 0.3353, 0.4556**.

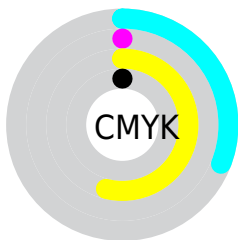
Distribution



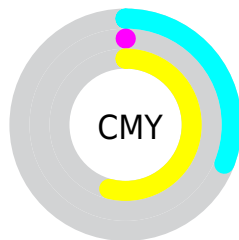
- Red (69%)
- Green (100%)
- Blue (46%)



- Red (46%)
- Yellow (100%)
- Blue (76%)



- Cyan (31%)
- Magenta (0%)
- Yellow (54%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.1515, 0.3380, 0.4863 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 82.1515, 0.3380, 0.4863 by changing the saturation by 10% instead.


 82.1515, 0.3380,
0.4863


 82.1515, 0.3380,
0.4863


502.1543, 0.3309,
0.4114


 61.4904, 0.3383,
0.5033

 136.3864, 0.3366,
0.4602

 44.6211, 0.3379,
0.5242


 170.7291, 0.3357,
0.4501

 31.1591, 0.3362,
0.5500


 210.4010, 0.3348,
0.4414

 20.7200, 0.3319,
0.5825

255.7867, 0.3340,
0.4338

 12.9195, 0.3225,
0.6235

307.2705, 0.3331,
0.4272

 7.3731, 0.3098,
0.6902

365.2367, 0.3323,

 3.6965, 0.2630,

0.4213

0.7370

430.0699, 0.3316,
0.4161

■ 1.5053, 0.1161,
0.8839

■ 0.2925, 0.0000,
1.0000

■ 82.1515, 0.3380,
0.4863

■ 82.1515, 0.3380,
0.4863

■ 80.0241, 0.3390,
0.5150

■ 84.6163, 0.3353,
0.4556

■ 78.2223, 0.3381,
0.5399

■ 87.4431, 0.3312,
0.4245


■ 76.7219, 0.3351,
0.5596

■ 90.6456, 0.3263,
0.3942

■ 75.4976, 0.3302,
0.5731

■ 94.2386, 0.3208,
0.3656

 74.8870, 0.3268,
0.5787

 98.2363, 0.3151,
0.3392

100.0000, 0.3127,
0.3290

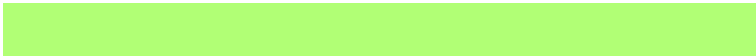
Harmonies

Analogous

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



82.1515, 0.4146, 0.4695



82.1515, 0.3380, 0.4863



82.1515, 0.2589, 0.4395

Triad

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



82.1515, 0.3380, 0.4863



82.1515, 0.1737, 0.2180



82.1515, 0.4357, 0.2966

Complementary

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



82.1515, 0.3380, 0.4863



31.5544, 0.2656, 0.1786

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.



82.1515, 0.3536, 0.2463



82.1515, 0.3380, 0.4863



82.1515, 0.2064, 0.2021

Square

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



82.1515, 0.3380, 0.4863



82.1515, 0.1707, 0.2663



82.1515, 0.2687, 0.2129



82.1515, 0.4791, 0.3559

Rectangle

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



82.1515, 0.3380, 0.4863



82.1515, 0.2157, 0.3802



82.1515, 0.2687, 0.2129



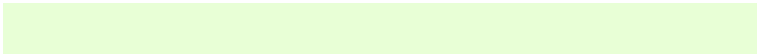
82.1515, 0.4110, 0.2785

Sweetspot

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



82.1491, 0.3380, 0.4863



93.5292, 0.3218, 0.3708



60.6440, 0.4252, 0.4061



19.8571, 0.3230, 0.3766



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.



82.1491, 0.3380, 0.4863



79.8511, 0.3390, 0.5174



76.7563, 0.3017, 0.4956



20.5541, 0.3182, 0.3531



39.2145, 0.3280, 0.5778



3.8813, 0.3368, 0.5708

Inverse Universe

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



31.5544, 0.2656, 0.1786



24.4708, 0.2529, 0.1503



40.7703, 0.3249, 0.2052



17.8845, 0.3068, 0.3051



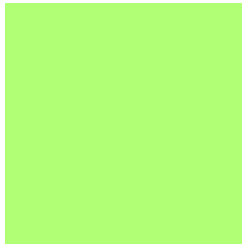
6.9699, 0.2155, 0.0961



0.7433, 0.2269, 0.1024

Previews

White Background



This preview shows how the Yxy color 82.1515, 0.3380, 0.4863 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 82.1515, 0.3380, 0.4863 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 82.1515, 0.3380, 0.4863

Background



This preview shows how black text looks on a background with the Yxy color 82.1515, 0.3380, 0.4863.

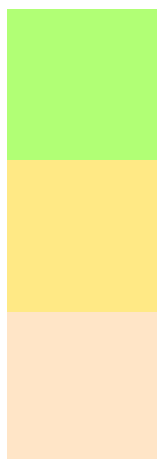


This preview shows how white text looks on a background with the Yxy color 82.1515, 0.3380, 0.4863.

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

82.1515, 0.3380, 0.4863

Protanopia

81.2313, 0.3932, 0.4280

Deuteranopia

81.4221, 0.3512, 0.3594



Tritanopia

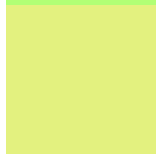
81.7904, 0.2816, 0.3120

Trichromacy



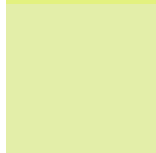
Original Color

82.1515, 0.3380, 0.4863



Protanomaly

80.7738, 0.3723, 0.4490



Deuteranomaly

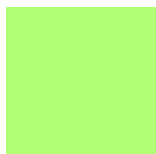
80.3445, 0.3486, 0.4034



Tritanomaly

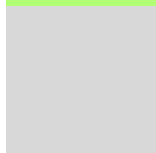
81.1819, 0.3037, 0.3740

Monochromacy



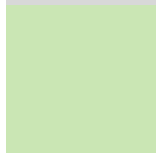
Original Color

82.1515, 0.3380, 0.4863



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

72.4455, 0.3251, 0.3868

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.1515, 0.3380, 0.4863 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(177, 255, 117)` looks like.

```
.text, #text, p{  
    color:rgb(177, 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(177, 255, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 255, 117) }
```

Border

The CSS property to change the border of an element to Yxy 82.1515, 0.3380, 0.4863 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(177, 255, 117) }
```

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

```
.border{ border-color:rgb(177, 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(177, 255, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 255, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 255, 117);  
box-shadow:4px 4px 4px 4px rgb(177, 255,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 82.1515, 0.3380, 0.4863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 255, 117) }
```

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

```
.background{ background-color: rgb(177,  
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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