

Converting Colors

Yxy(66.4270, 0.3147, 0.4380)

Have a look what the booklet for
Yxy(66.4270, 0.3147, 0.4380)
contains.

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Color

Yxy(66.3952, 0.3145, 0.4381)

Conversions

Conversions Part 1

Format	Color
Hex	9DE792
RGB	157, 231, 146
RGB Percent	62%, 91%, 57%
CMY	0.3844, 0.0941, 0.4275
CMYK	0.32, 0.00, 0.37, 0.09
HSL	112°, 64%, 74%
HSV	112°, 37%, 91%
XYZ	47.6633, 66.3952, 37.4941
YIQ	199.1840, -16.8190, -42.1230

Conversions

Conversions Part 2

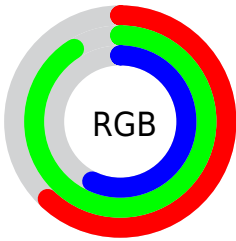
Format	Color
RYB	146, 231, 220
Decimal	10348434
CIELab	85.20, -38.96, 34.29
CIELCh	85, 51.902, 138.642
Yxy	66.3952, 0.3145, 0.4381
Android (android.graphics.Color)	4288538514 (0xFF9DE792)
YUV	199.1840, -26.2197, -36.9954
Hunter-Lab	81.4832, -38.1828, 29.7563

Details

The Yxy color **66.3952, 0.3145, 0.4381** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **41.5478, 0.3072, 0.2353**, and the grayscale version is **57.3998, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0332, 0.3180, 0.3867**, and **34.2929, 0.3122, 0.4689** is the 20% darker color. If you saturate the color by 10%, you get **63.8910, 0.3141, 0.4728**, and if you desaturate by 10%, it is **69.3835, 0.3144, 0.4048**.

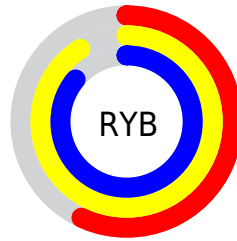
Distribution



Red (62%)

Green (91%)

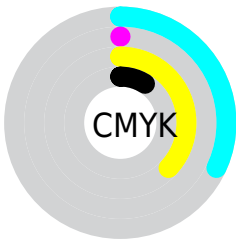
Blue (57%)



Red (57%)

Yellow (91%)

Blue (86%)

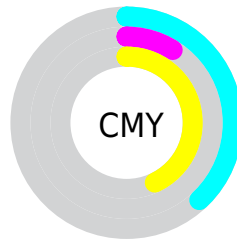


Cyan (32%)

Magenta (0%)

Yellow (37%)

Black (9%)



Cyan (38%)


Magenta (9%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.3952, 0.3145, 0.4381 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 66.3952, 0.3145, 0.4381 by changing the saturation by 10% instead.


 66.3952, 0.3145,
0.4381


 66.3952, 0.3145,
0.4381


447.7889, 0.3155,
0.3839

 48.5933, 0.3137,
0.4514

 114.0534, 0.3153,
0.4186

 34.2970, 0.3123,
0.4682


 144.6784, 0.3155,
0.4112

 23.1218, 0.3101,
0.4902


180.3466, 0.3156,
0.4049

 14.6835, 0.3060,
0.5199

221.4424, 0.3156,
0.3995

 8.5976, 0.2982,
0.5619

268.3501, 0.3156,
0.3948

 4.4796, 0.2835,
0.6270


321.4542, 0.3156,

 1.9453, 0.2499,


0.3907


0.7501


381.1390, 0.3156,
0.3871


 0.5754, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 66.3952, 0.3145,
0.4381


 66.3952, 0.3145,
0.4381

 63.8910, 0.3141,
0.4728

 69.3835, 0.3144,
0.4048


 61.8373, 0.3130,
0.5071

 72.8708, 0.3140,
0.3739

 60.2095, 0.3114,
0.5388

 76.8814, 0.3133,
0.3461

 58.9772, 0.3091,
0.5652

 81.4359, 0.3124,
0.3215

■ 58.1058, 0.3064,
0.5843

■ 85.6382, 0.3138,
0.3058

■ 57.5539, 0.3036,
0.5953

■ 57.4314, 0.3029,
0.5977

Harmonies

Analogous

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



66.3952, 0.3761, 0.4446



66.3952, 0.3145, 0.4381



66.3952, 0.2556, 0.3901

Triad

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



66.3952, 0.3145, 0.4381



66.3952, 0.2092, 0.2363



66.3952, 0.4202, 0.3209

Complementary

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



66.3952, 0.3145, 0.4381



41.5478, 0.3072, 0.2353

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.



66.3952, 0.3661, 0.2766



66.3952, 0.3145, 0.4381



66.3952, 0.2440, 0.2295

Square

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



66.3952, 0.3145, 0.4381



66.3952, 0.1990, 0.2676



66.3952, 0.3001, 0.2443



66.3952, 0.4413, 0.3700

Rectangle

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



66.3952, 0.3145, 0.4381



66.3952, 0.2256, 0.3455



66.3952, 0.3001, 0.2443



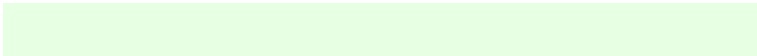
66.3952, 0.4050, 0.3052

Sweetspot

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



66.3980, 0.3145, 0.4381



93.9808, 0.3136, 0.3575



70.0823, 0.3720, 0.4096



19.9692, 0.3137, 0.3613



0.0000, 0.0000, 0.0000



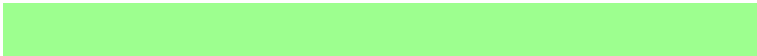
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.3980, 0.3145, 0.4381



80.6935, 0.3142, 0.4639



66.4496, 0.2901, 0.3984



16.1778, 0.3135, 0.3532



32.2227, 0.3035, 0.5972



2.4101, 0.3107, 0.5915

Inverse Universe

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



41.5478, 0.3072, 0.2353



45.4213, 0.3054, 0.2169



41.7093, 0.3458, 0.2689



14.5159, 0.3117, 0.3057



10.2489, 0.2886, 0.1364



0.7838, 0.2936, 0.1391

Previews

White Background



This preview shows how the Yxy color 66.3952, 0.3145, 0.4381 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 66.3952, 0.3145, 0.4381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

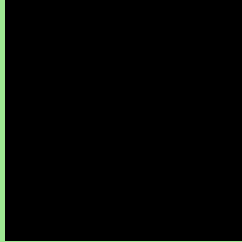
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.3952, 0.3145, 0.4381

Background



This preview shows how black text looks on a background with the Yxy color 66.3952, 0.3145, 0.4381.

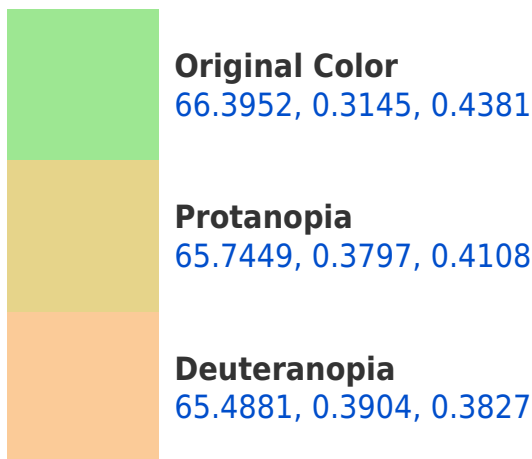


This preview shows how white text looks on a background with the Yxy color 66.3952, 0.3145, 0.4381.

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





Tritanopia

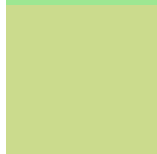
66.1851, 0.2714, 0.3091

Trichromacy



Original Color

66.3952, 0.3145, 0.4381



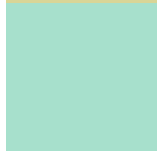
Protanomaly

65.2826, 0.3534, 0.4213



Deuteranomaly

64.5422, 0.3604, 0.4016



Tritanomaly

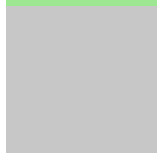
65.8864, 0.2870, 0.3535

Monochromacy



Original Color

66.3952, 0.3145, 0.4381



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

60.0742, 0.3139, 0.3675

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.3952, 0.3145, 0.4381 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(157, 231, 146)` looks like.

```
.text, #text, p{  
    color:rgb(157, 231, 146)  
}
```

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(157, 231, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 231, 146) }
```

Border

The CSS property to change the border of an element to Yxy 66.3952, 0.3145, 0.4381 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(157, 231, 146) }
```

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

```
.border{ border-color:rgb(157, 231, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 231, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 231, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 231, 146);  
box-shadow:4px 4px 4px 4px rgb(157, 231,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 66.3952, 0.3145, 0.4381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 231, 146) }
```

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

```
.background{ background-color: rgb(157,  
231, 146) }
```

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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