

Converting Colors

Yxy(64.9933, 0.3060, 0.4711)

Have a look what the booklet for
Yxy(64.9933, 0.3060, 0.4711)
contains.

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Color

Yxy(64.9933, 0.3060, 0.4711)

Conversions

Conversions Part 1

Format	Color
Hex	80EA80
RGB	128, 234, 128
RGB Percent	50%, 92%, 50%
CMY	0.4983, 0.0823, 0.4979
CMYK	0.45, 0.00, 0.45, 0.08
HSL	120°, 72%, 71%
HSV	120°, 45%, 92%
XYZ	42.2160, 64.9933, 30.7514
YIQ	190.2220, -29.1500, -55.4380

Conversions

Conversions Part 2

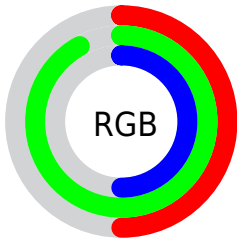
Format	Color
RYB	128, 234, 234
Decimal	8448640
CIELab	84.48, -51.61, 42.02
CIElCh	84, 66.558, 140.849
Yxy	64.9933, 0.3060, 0.4711
Android (android.graphics.Color)	4286638720 (0xFF80EA80)
YUV	190.2220, -30.6754, -54.5687
Hunter-Lab	80.6184, -47.6104, 33.8171

Details

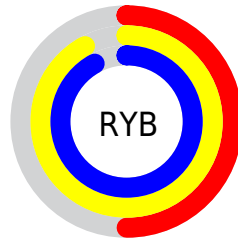
The Yxy color **64.9933, 0.3060, 0.4711** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **38.8535, 0.3180, 0.2187**, and the grayscale version is **51.8149, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3365, 0.3112, 0.4120**, and **33.2313, 0.3000, 0.5117** is the 20% darker color. If you saturate the color by 10%, you get **62.8403, 0.3043, 0.5069**, and if you desaturate by 10%, it is **67.7120, 0.3077, 0.4352**.

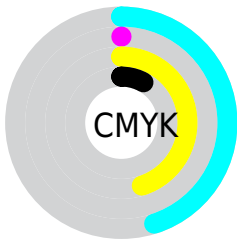
Distribution



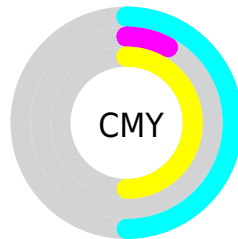
- Red (50%)
- Green (92%)
- Blue (50%)



- Red (50%)
- Yellow (92%)
- Blue (92%)



- Cyan (45%)
- Magenta (0%)
- Yellow (45%)
- Black (8%)





- Cyan (50%)
- Magenta (8%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.9933, 0.3060, 0.4711 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 64.9933, 0.3060, 0.4711 by changing the saturation by 10% instead.


 64.9933, 0.3060,
0.4711


 64.9933, 0.3060,
0.4711

442.7679, 0.3124,
0.3993


 47.4556, 0.3035,
0.4889


 112.0402, 0.3090,
0.4450

 33.3960, 0.2998,
0.5115


 142.3183, 0.3099,
0.4352

 22.4300, 0.2941,
0.5410

 177.6119, 0.3106,
0.4269

 14.1732, 0.2847,
0.5807

218.3056, 0.3111,
0.4198

 8.2412, 0.2683,
0.6359

264.7836, 0.3116,
0.4137

 4.2497, 0.2486,
0.7491


317.4304, 0.3119,

 1.8142, 0.1269,


0.4083


0.8731


376.6304, 0.3122,
0.4035


 0.4960, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 64.9933, 0.3060,
0.4711


 64.9933, 0.3060,
0.4711


 62.8403, 0.3043,
0.5069


 67.7120, 0.3077,
0.4352


 61.2056, 0.3028,
0.5399

 71.0234, 0.3093,
0.4011


 60.0481, 0.3015,
0.5672


 74.9628, 0.3108,
0.3700


 59.3163, 0.3006,
0.5867

 79.5602, 0.3121,
0.3423

 58.9472, 0.3001,
0.5972

 84.8438, 0.3132,
0.3181

 58.8525, 0.3000,
0.6000

 87.3321, 0.3137,
0.3088

Harmonies

Analogous

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



64.9933, 0.3842, 0.4786



64.9933, 0.3060, 0.4711



64.9933, 0.2338, 0.4030

Triad

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



64.9933, 0.3060, 0.4711



64.9933, 0.1862, 0.2110



64.9933, 0.4553, 0.3203

Complementary

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



64.9933, 0.3060, 0.4711



38.8535, 0.3180, 0.2187

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.



64.9933, 0.3869, 0.2665



64.9933, 0.3060, 0.4711



64.9933, 0.2300, 0.2063

Square

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



64.9933, 0.3060, 0.4711



64.9933, 0.1715, 0.2451



64.9933, 0.3014, 0.2262



64.9933, 0.4768, 0.3800

Rectangle

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



64.9933, 0.3060, 0.4711



64.9933, 0.1989, 0.3420



64.9933, 0.3014, 0.2262



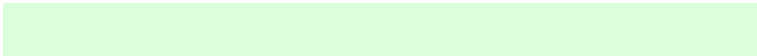
64.9933, 0.4367, 0.3014

Sweetspot

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



64.9960, 0.3060, 0.4711



91.7585, 0.3109, 0.3663



77.9034, 0.3799, 0.4400



19.3990, 0.3106, 0.3727



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.



64.9960, 0.3060, 0.4711



76.6169, 0.3045, 0.5031



66.7719, 0.2784, 0.3985



16.8624, 0.3116, 0.3533



33.0684, 0.3000, 0.5999



2.5967, 0.2999, 0.5998

Inverse Universe

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



38.8535, 0.3180, 0.2187



41.2652, 0.3189, 0.2004



36.2527, 0.3722, 0.2699



15.3136, 0.3138, 0.3058



13.1618, 0.3211, 0.1543



1.0336, 0.3211, 0.1543

Previews

White Background



This preview shows how the Yxy color 64.9933, 0.3060, 0.4711 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 64.9933, 0.3060, 0.4711 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 64.9933, 0.3060, 0.4711

Background



This preview shows how black text looks on a background with the Yxy color 64.9933, 0.3060, 0.4711.

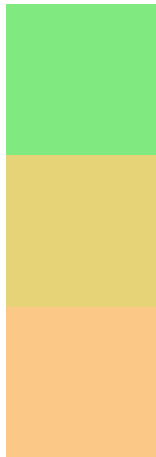


This preview shows how white text looks on a background with the Yxy color 64.9933, 0.3060, 0.4711.

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

64.9933, 0.3060, 0.4711

Protanopia

64.2481, 0.3934, 0.4283

Deuteranopia

63.7816, 0.4048, 0.3957



Tritanopia

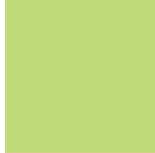
64.5242, 0.2581, 0.3073

Trichromacy



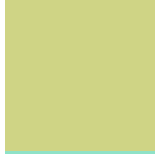
Original Color

64.9933, 0.3060, 0.4711



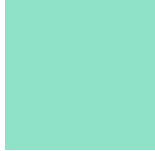
Protanomaly

63.4056, 0.3575, 0.4458



Deuteranomaly

62.0458, 0.3643, 0.4224



Tritanomaly

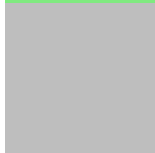
64.3559, 0.2758, 0.3634

Monochromacy



Original Color

64.9933, 0.3060, 0.4711



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

55.1481, 0.3103, 0.3804

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.9933, 0.3060, 0.4711 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(128, 234, 128)` looks like.

```
.text, #text, p{  
    color:rgb(128, 234, 128)  
}
```

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(128, 234, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 234, 128) }
```

Border

The CSS property to change the border of an element to Yxy 64.9933, 0.3060, 0.4711 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(128, 234, 128) }
```

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

```
.border{ border-color:rgb(128, 234, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 234, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 234, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 234, 128);  
box-shadow:4px 4px 4px 4px rgb(128, 234,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 64.9933, 0.3060, 0.4711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 234, 128) }
```

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

```
.background{ background-color: rgb(128,  
234, 128) }
```

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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