

Converting Colors

Yxy(63.6317, 0.3118, 0.4848)

Have a look what the booklet for
Yxy(63.6317, 0.3118, 0.4848)
contains.

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Color

Yxy(63.5634, 0.3120, 0.4848)

Conversions

Conversions Part 1

Format	Color
Hex	80E874
RGB	128, 232, 116
RGB Percent	50%, 91%, 45%
CMY	0.4982, 0.0902, 0.5450
CMYK	0.45, 0.00, 0.50, 0.09
HSL	114°, 72%, 68%
HSV	114°, 50%, 91%
XYZ	40.9071, 63.5634, 26.6421
YIQ	187.6800, -24.7480, -58.1240

Conversions

Conversions Part 2

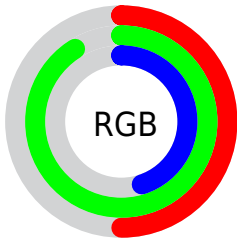
Format	Color
RYB	116, 232, 220
Decimal	8448116
CIELab	83.74, -52.40, 46.87
CIElCh	84, 70.302, 138.189
Yxy	63.5634, 0.3120, 0.4848
Android (android.graphics.Color)	4286638196 (0xFF80E874)
YUV	187.6800, -35.3382, -52.3394
Hunter-Lab	79.7267, -47.9347, 35.9958

Details

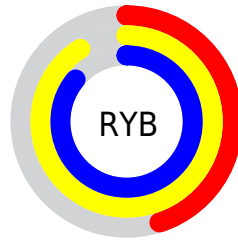
The Yxy color **63.5634, 0.3120, 0.4848** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **33.5505, 0.3069, 0.2045**, and the grayscale version is **50.3098, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8614, 0.3176, 0.4260**, and **32.2953, 0.3062, 0.5285** is the 20% darker color. If you saturate the color by 10%, you get **61.6406, 0.3106, 0.5188**, and if you desaturate by 10%, it is **65.9574, 0.3129, 0.4497**.

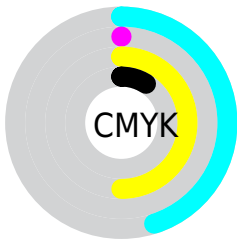
Distribution



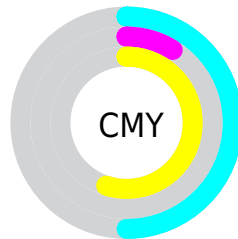
- Red (50%)
- Green (91%)
- Blue (45%)



- Red (45%)
- Yellow (91%)
- Blue (86%)



- Cyan (45%)
- Magenta (0%)
- Yellow (50%)
- Black (9%)




- Cyan (50%)
- Magenta (9%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.5634, 0.3120, 0.4848 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 63.5634, 0.3120, 0.4848 by changing the saturation by 10% instead.


 63.5634, 0.3120,
0.4848


 63.5634, 0.3120,
0.4848

437.6113, 0.3163,
0.4059


 46.2971, 0.3097,
0.5043

 109.9819, 0.3145,
0.4562

 32.4804, 0.3061,
0.5290


 139.9030, 0.3151,
0.4454

 21.7287, 0.3002,
0.5610


 174.8111, 0.3156,
0.4362

 13.6577, 0.2899,
0.6037

215.0906, 0.3158,
0.4284

 7.8830, 0.2715,
0.6622

261.1261, 0.3160,
0.4216

 4.0201, 0.2412,
0.7588

313.3017, 0.3162,

 1.6848, 0.0899,

0.4157

0.9101

372.0020, 0.3162,
0.4105

0.4138, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

63.5634, 0.3120,
0.4848

63.5634, 0.3120,
0.4848

61.6406, 0.3106,
0.5188

65.9574, 0.3129,
0.4497

60.1503, 0.3088,
0.5492


68.8424, 0.3133,
0.4155


59.0608, 0.3066,
0.5734


72.2466, 0.3133,
0.3836

58.3326, 0.3042,
0.5897

76.1939, 0.3131,
0.3547

 57.9116, 0.3021,
0.5984

 80.7068, 0.3127,
0.3290

 57.9114, 0.3021,
0.5984

 85.7914, 0.3123,
0.3067

 86.1987, 0.3138,
0.3068

Harmonies

Analogous

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



63.5634, 0.3940, 0.4851



63.5634, 0.3120, 0.4848



63.5634, 0.2346, 0.4165

Triad

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



63.5634, 0.3120, 0.4848



63.5634, 0.1771, 0.2063



63.5634, 0.4597, 0.3136

Complementary

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



63.5634, 0.3120, 0.4848



33.5505, 0.3069, 0.2045

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.



63.5634, 0.3835, 0.2584



63.5634, 0.3120, 0.4848



63.5634, 0.2199, 0.1993

Square

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



63.5634, 0.3120, 0.4848



63.5634, 0.1643, 0.2445



63.5634, 0.2927, 0.2181



63.5634, 0.4869, 0.3756

Rectangle

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



63.5634, 0.3120, 0.4848



63.5634, 0.1964, 0.3509



63.5634, 0.2927, 0.2181



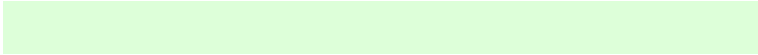
63.5634, 0.4384, 0.2941

Sweetspot

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



63.5661, 0.3120, 0.4848



91.8396, 0.3133, 0.3690



68.8101, 0.3925, 0.4383



19.4392, 0.3133, 0.3752



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.



63.5661, 0.3120, 0.4848



76.3128, 0.3106, 0.5198



63.9884, 0.2830, 0.4265



16.1597, 0.3131, 0.3532



32.1723, 0.3025, 0.5980



2.4015, 0.3086, 0.5932

Inverse Universe

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



33.5505, 0.3069, 0.2045



35.1185, 0.3048, 0.1830



33.2650, 0.3651, 0.2501



14.5359, 0.3122, 0.3057



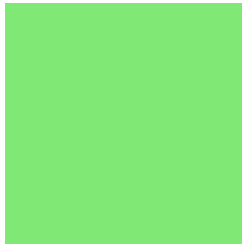
10.7220, 0.2952, 0.1400



0.8141, 0.2992, 0.1422

Previews

White Background



This preview shows how the Yxy color 63.5634, 0.3120, 0.4848 looks on a white background.

Color Contrast Check

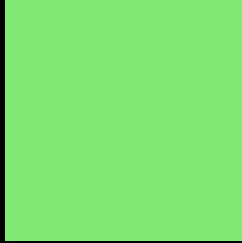
Large Text (above 18pt) WCAG AA × Fail

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 63.5634, 0.3120, 0.4848 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 63.5634, 0.3120, 0.4848

Background



This preview shows how black text looks on a background with the Yxy color 63.5634, 0.3120, 0.4848.

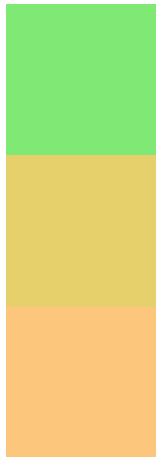


This preview shows how white text looks on a background with the Yxy color 63.5634, 0.3120, 0.4848.

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

63.5634, 0.3120, 0.4848

Protanopia

62.8525, 0.4006, 0.4373

Deuteranopia

62.5643, 0.4139, 0.4044



Tritanopia

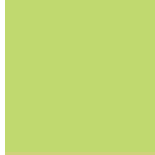
63.2985, 0.2593, 0.3083

Trichromacy



Original Color

63.5634, 0.3120, 0.4848



Protanomaly

61.9799, 0.3639, 0.4564



Deuteranomaly

60.7637, 0.3723, 0.4327



Tritanomaly

62.9567, 0.2794, 0.3704

Monochromacy



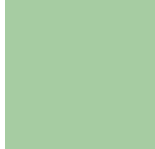
Original Color

63.5634, 0.3120, 0.4848



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

53.9014, 0.3131, 0.3850

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.5634, 0.3120, 0.4848 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, 232, 116)` looks like.

```
.text, #text, p{  
    color:rgb(128, 232, 116)  
}
```

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, 232, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 232, 116) }
```

Border

The CSS property to change the border of an element to Yxy 63.5634, 0.3120, 0.4848 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, 232, 116) }
```

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

```
.border{ border-color:rgb(128, 232, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 232, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 232, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 232, 116);  
box-shadow:4px 4px 4px 4px rgb(128, 232,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 63.5634, 0.3120, 0.4848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 232, 116) }
```

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

```
.background{ background-color: rgb(128,  
232, 116) }
```

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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