

Converting Colors

$Y_{xy}(63.0189, 0.3458, 0.4790)$

Have a look what the booklet for
Yxy(63.0189, 0.3458, 0.4790)
contains.

| | |
|------------------------------------------------|----|
| Yxy(63.1952, 0.3457, 0.4788) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(63.1952, 0.3457, 0.4788)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | A8E169 |
| RGB | 168, 225, 105 |
| RGB Percent | 66%, 88%, 41% |
| CMY | 0.3411, 0.1176, 0.5881 |
| CMYK | 0.25, 0.00, 0.53, 0.12 |
| HSL | 88°, 67%, 65% |
| HSV | 88°, 53%, 88% |
| XYZ | 45.6278, 63.1952, 23.1637 |
| YIQ | 194.2770, 4.5480, -49.4040 |

Conversions

Conversions Part 2

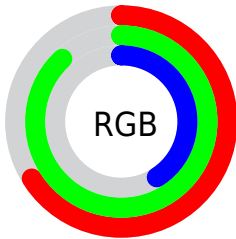
| Format | Color |
|-------------------------------------|----------------------------------------------|
| RYB | 105, 225, 162 |
| Decimal | 11067753 |
| CIELab | 83.54, -37.57, 52.24 |
| CIELCh | 84, 64.345, 125.726 |
| Yxy | 63.1952, 0.3457, 0.4788 |
| Android (android.graphics.Color) | 4289257833 (0xFFA8E169) |
| YUV | 194.2770, -44.0136, -23.0449 |
| Hunter-Lab | 79.4954, -36.6638, 38.3707 |

Details

The Yxy color **63.1952, 0.3457, 0.4788** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **23.2264, 0.2566, 0.1777**, and the grayscale version is **54.3904, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0308, 0.3489, 0.4299**, and **32.1346, 0.3483, 0.5178** is the 20% darker color. If you saturate the color by 10%, you get **61.6695, 0.3482, 0.5061**, and if you desaturate by 10%, it is **64.9452, 0.3414, 0.4496**.

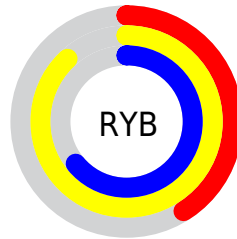
Distribution



Red (66%)

Green (88%)

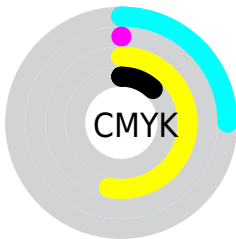
Blue (41%)



Red (41%)

Yellow (88%)

Blue (64%)

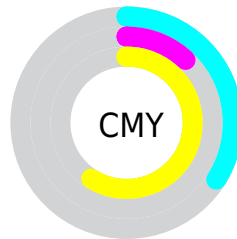


Cyan (25%)

Magenta (0%)

Yellow (53%)

Black (12%)



Cyan (34%)


Magenta (12%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.1952, 0.3457, 0.4788 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 63.1952, 0.3457, 0.4788 by changing the saturation by 10% instead.


 63.1952, 0.3457,
0.4788


 63.1952, 0.3457,
0.4788


436.2776, 0.3340,
0.4047


 45.9991, 0.3470,
0.4964


 109.4511, 0.3426,
0.4524

 32.2451, 0.3478,
0.5183


 139.2797, 0.3411,
0.4423

 21.5488, 0.3472,
0.5459


 174.0879, 0.3397,
0.4337

 13.5258, 0.3437,
0.5813

 214.2602, 0.3384,
0.4263

 7.7916, 0.3362,
0.6321

260.1809, 0.3371,
0.4198

 3.9619, 0.3105,
0.6895

312.2345, 0.3360,

 1.6523, 0.2352,

0.4142

0.7648

370.8052, 0.3350,
0.4092

■ 0.3925, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 63.1952, 0.3457,
0.4788

■ 63.1952, 0.3457,
0.4788

■ 61.6695, 0.3482,
0.5061

■ 64.9452, 0.3414,
0.4496

■ 60.3476, 0.3487,
0.5299


■ 66.9223, 0.3357,
0.4198

■ 59.2185, 0.3468,
0.5489

■ 69.1393, 0.3292,
0.3907


■ 58.2659, 0.3427,
0.5624


■ 71.6057, 0.3222,
0.3629


 57.7119, 0.3392,
0.5689

 74.3304, 0.3151,
0.3371

 77.3217, 0.3080,
0.3134

 80.0933, 0.3058,
0.2992

 82.0483, 0.3131,
0.2998

 82.3303, 0.3141,
0.2999

Harmonies

Analogous

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



63.1952, 0.4173, 0.4594



63.1952, 0.3457, 0.4788



63.1952, 0.2693, 0.4404

Triad

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



63.1952, 0.3457, 0.4788



63.1952, 0.1779, 0.2265



63.1952, 0.4226, 0.2929

Complementary

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



63.1952, 0.3457, 0.4788



23.2264, 0.2566, 0.1777

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.



63.1952, 0.3430, 0.2457



63.1952, 0.3457, 0.4788



63.1952, 0.2065, 0.2078

Square

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



63.1952, 0.3457, 0.4788



63.1952, 0.1781, 0.2766



63.1952, 0.2636, 0.2156



63.1952, 0.4690, 0.3496

Rectangle

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



63.1952, 0.3457, 0.4788



63.1952, 0.2262, 0.3869



63.1952, 0.2636, 0.2156



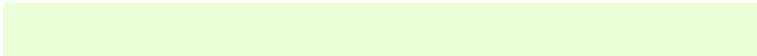
63.1952, 0.3981, 0.2757

Sweetspot

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



63.1980, 0.3457, 0.4788



94.1537, 0.3242, 0.3705



42.5225, 0.4291, 0.3937



20.0057, 0.3257, 0.3762



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.



63.1980, 0.3457, 0.4788



81.6943, 0.3484, 0.5089



58.1236, 0.3069, 0.4984



15.6896, 0.3195, 0.3527



33.3264, 0.3403, 0.5680



2.3632, 0.3517, 0.5589

Inverse Universe

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



23.2264, 0.2566, 0.1777



23.3087, 0.2413, 0.1469



30.9169, 0.3146, 0.2007



13.5609, 0.3055, 0.3053



4.9973, 0.1979, 0.0864



0.3994, 0.2149, 0.0958

Previews

White Background



This preview shows how the Yxy color 63.1952, 0.3457, 0.4788 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 63.1952, 0.3457, 0.4788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

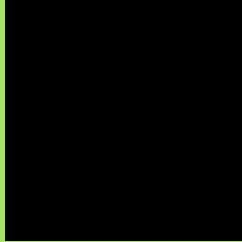
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.1952, 0.3457, 0.4788

Background



This preview shows how black text looks on a background with the Yxy color 63.1952, 0.3457, 0.4788.



This preview shows how white text looks on a background with the Yxy color 63.1952, 0.3457, 0.4788.

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

63.1952, 0.3457, 0.4788

Protanopia

62.8356, 0.4069, 0.4451

Deuteranopia

62.6288, 0.4247, 0.4157



Tritanopia

63.0584, 0.2828, 0.3091

Trichromacy



Original Color

63.1952, 0.3457, 0.4788



Protanomaly

62.2981, 0.3832, 0.4580



Deuteranomaly

61.9039, 0.3950, 0.4386



Tritanomaly

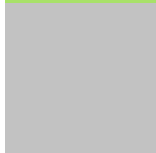
62.6701, 0.3072, 0.3699

Monochromacy



Original Color

63.1952, 0.3457, 0.4788



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

56.5856, 0.3279, 0.3836

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.1952, 0.3457, 0.4788 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(168, 225, 105)` looks like.

```
.text, #text, p{  
    color:rgb(168, 225, 105)  
}
```

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(168, 225, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 225, 105) }
```

Border

The CSS property to change the border of an element to Yxy 63.1952, 0.3457, 0.4788 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(168, 225, 105) }
```

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

```
.border{ border-color:rgb(168, 225, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 225, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 225, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 225, 105);  
box-shadow:4px 4px 4px 4px rgb(168, 225,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 63.1952, 0.3457, 0.4788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 225, 105) }
```

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

```
.background{ background-color: rgb(168,  
225, 105) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor