

Converting Colors

$Yxy(66.5649, 0.3239, 0.4541)$

Have a look what the booklet for
Yxy(66.5649, 0.3239, 0.4541)
contains.

Yxy(66.3189, 0.3237, 0.4539)	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(66.3189, 0.3237, 0.4539)

Conversions

Conversions Part 1

Format	Color
Hex	A0E785
RGB	160, 231, 133
RGB Percent	63%, 91%, 52%
CMY	0.3728, 0.0940, 0.4785
CMYK	0.31, 0.00, 0.42, 0.09
HSL	104°, 67%, 71%
HSV	104°, 42%, 91%
XYZ	47.2955, 66.3189, 32.4947
YIQ	198.5990, -10.8580, -45.5300

Conversions

Conversions Part 2

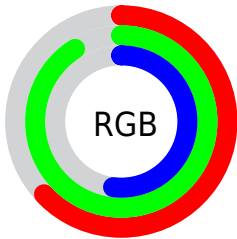
Format	Color
RYB	133, 231, 204
Decimal	10545029
CIELab	85.16, -39.81, 40.76
CIELCh	85, 56.978, 134.329
Yxy	66.3189, 0.3237, 0.4539
Android (android.graphics.Color)	4288735109 (0xFFA0E785)
YUV	198.5990, -32.3403, -33.8513
Hunter-Lab	81.4364, -38.8470, 33.3477

Details

The Yxy color **66.3189, 0.3237, 0.4539** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **35.3926, 0.2928, 0.2171**, and the grayscale version is **57.0538, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8596, 0.3279, 0.4017**, and **34.2573, 0.3230, 0.4887** is the 20% darker color. If you saturate the color by 10%, you get **64.1409, 0.3245, 0.4869**, and if you desaturate by 10%, it is **68.8756, 0.3219, 0.4212**.

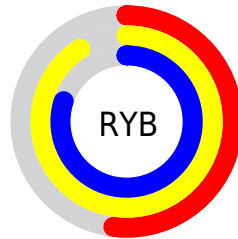
Distribution



Red (63%)

Green (91%)

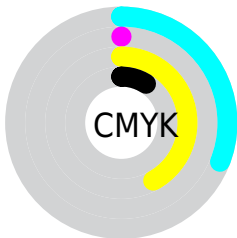
Blue (52%)



Red (52%)

Yellow (91%)

Blue (80%)

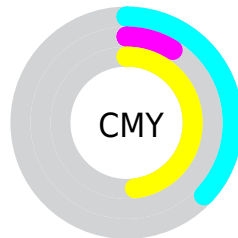


Cyan (31%)

Magenta (0%)

Yellow (42%)

Black (9%)



Cyan (37%)


Magenta (9%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.3189, 0.3237, 0.4539 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 66.3189, 0.3237, 0.4539 by changing the saturation by 10% instead.


 66.3189, 0.3237,
0.4539

 66.3189, 0.3237,
0.4539


447.5165, 0.3210,
0.3918


 48.5313, 0.3235,
0.4690

 113.9439, 0.3234,
0.4316

 34.2478, 0.3228,
0.4880


 144.5502, 0.3231,
0.4231

 23.0841, 0.3211,
0.5127


 180.1981, 0.3227,
0.4160

 14.6556, 0.3173,
0.5456

221.2720, 0.3224,
0.4098

 8.5780, 0.3090,
0.5909

268.1565, 0.3220,
0.4044

 4.4670, 0.2987,
0.6737

321.2358, 0.3217,

 1.9381, 0.2433,

0.3997

0.7567

380.8943, 0.3213,
0.3955

0.5711, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

66.3189, 0.3237,
0.4539

66.3189, 0.3237,
0.4539

64.1409, 0.3245,
0.4869

68.8756, 0.3219,
0.4212

62.3146, 0.3241,
0.5183

71.8198, 0.3195,
0.3900


60.8226, 0.3223,
0.5462

75.1702, 0.3166,
0.3611

59.6421, 0.3191,
0.5684

78.9422, 0.3135,
0.3349

 58.7473, 0.3148,
0.5837

 83.1499, 0.3103,
0.3116

 58.2349, 0.3112,
0.5911

 85.6423, 0.3138,
0.3058

Harmonies

Analogous

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



66.3189, 0.3899, 0.4527



66.3189, 0.3237, 0.4539



66.3189, 0.2581, 0.4065

Triad

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



66.3189, 0.3237, 0.4539



66.3189, 0.1972, 0.2311



66.3189, 0.4241, 0.3120

Complementary

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



66.3189, 0.3237, 0.4539



35.3926, 0.2928, 0.2171

Split Complementary

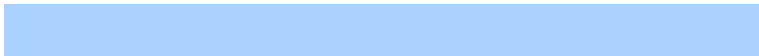
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



66.3189, 0.3608, 0.2660



66.3189, 0.3237, 0.4539



66.3189, 0.2308, 0.2207

Square

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



66.3189, 0.3237, 0.4539



66.3189, 0.1900, 0.2684



66.3189, 0.2886, 0.2337



66.3189, 0.4530, 0.3645

Rectangle

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



66.3189, 0.3237, 0.4539



66.3189, 0.2236, 0.3576



66.3189, 0.2886, 0.2337



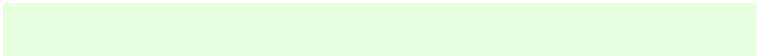
66.3189, 0.4057, 0.2956

Sweetspot

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



66.3217, 0.3237, 0.4539



93.7680, 0.3168, 0.3629



61.5128, 0.3879, 0.4071



19.8631, 0.3175, 0.3691



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.



66.3217, 0.3237, 0.4539



80.5438, 0.3245, 0.4831



64.4890, 0.2952, 0.4317



16.2798, 0.3157, 0.3530



32.6943, 0.3122, 0.5903



2.4611, 0.3228, 0.5819

Inverse Universe

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



35.3926, 0.2928, 0.2171



36.9757, 0.2870, 0.1941



38.4072, 0.3377, 0.2449



14.4057, 0.3094, 0.3055



7.9370, 0.2525, 0.1165



0.6321, 0.2628, 0.1222

Previews

White Background



This preview shows how the Yxy color 66.3189, 0.3237, 0.4539 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 66.3189, 0.3237, 0.4539 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

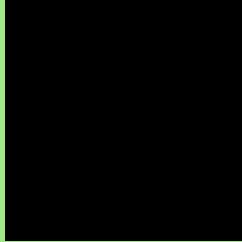
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.3189, 0.3237, 0.4539

Background



This preview shows how black text looks on a background with the Yxy color 66.3189, 0.3237, 0.4539.



This preview shows how white text looks on a background with the Yxy color 66.3189, 0.3237, 0.4539.

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

66.3189, 0.3237, 0.4539

Protanopia

65.7491, 0.3895, 0.4226

Deuteranopia

65.6762, 0.4019, 0.3942



Tritanopia

66.0663, 0.2742, 0.3092

Trichromacy



Original Color

66.3189, 0.3237, 0.4539



Protanomaly

65.3698, 0.3635, 0.4340



Deuteranomaly

64.6103, 0.3718, 0.4154



Tritanomaly

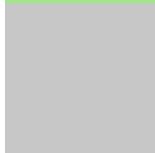
65.5568, 0.2924, 0.3584

Monochromacy



Original Color

66.3189, 0.3237, 0.4539



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

59.9980, 0.3180, 0.3739

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.3189, 0.3237, 0.4539 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(160, 231, 133)` looks like.

```
.text, #text, p{  
    color:rgb(160, 231, 133)  
}
```

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(160, 231, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 231, 133) }
```

Border

The CSS property to change the border of an element to Yxy 66.3189, 0.3237, 0.4539 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(160, 231, 133) }
```

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

```
.border{ border-color:rgb(160, 231, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 231, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 231, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 231, 133);  
box-shadow:4px 4px 4px 4px rgb(160, 231,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 66.3189, 0.3237, 0.4539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 231, 133) }
```

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

```
.background{ background-color: rgb(160,  
231, 133) }
```

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