

Converting Colors

$Yxy(62.9913, 0.3449, 0.4990)$

Have a look what the booklet for
Yxy(62.9913, 0.3449, 0.4990)
contains.

Yxy(63.0644, 0.3451, 0.4986)	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(63.0644, 0.3451, 0.4986)

Conversions

Conversions Part 1

Format	Color
Hex	9FE35B
RGB	159, 227, 91
RGB Percent	62%, 89%, 36%
CMY	0.3766, 0.1098, 0.6431
CMYK	0.30, 0.00, 0.60, 0.11
HSL	90°, 71%, 62%
HSV	90°, 60%, 89%
XYZ	43.6493, 63.0644, 19.7693
YIQ	191.1640, 3.1280, -56.7120

Conversions

Conversions Part 2

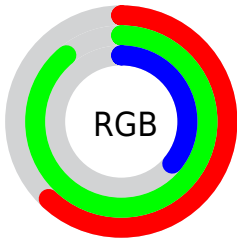
Format	Color
RYB	91, 227, 159
Decimal	10478427
CIELab	83.48, -43.02, 58.26
CIELCh	83, 72.421, 126.441
Yxy	63.0644, 0.3451, 0.4986
Android (android.graphics.Color)	4288668507 (0xFF9FE35B)
YUV	191.1640, -49.3809, -28.2078
Hunter-Lab	79.4131, -40.8607, 40.8294

Details

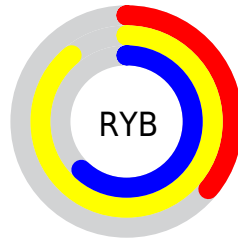
The Yxy color **63.0644, 0.3451, 0.4986** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **20.4061, 0.2508, 0.1603**, and the grayscale version is **52.4878, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3470, 0.3505, 0.4451**, and **32.1249, 0.3453, 0.5242** is the 20% darker color. If you saturate the color by 10%, you get **61.6248, 0.3459, 0.5242**, and if you desaturate by 10%, it is **64.7347, 0.3423, 0.4701**.

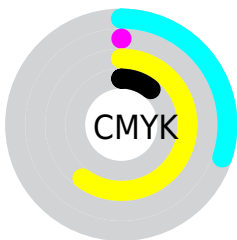
Distribution



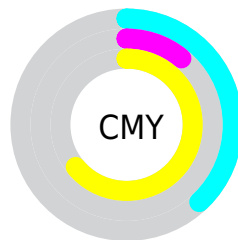
- Red (62%)
- Green (89%)
- Blue (36%)



- Red (36%)
- Yellow (89%)
- Blue (62%)



- Cyan (30%)
- Magenta (0%)
- Yellow (60%)
- Black (11%)



- Cyan (38%)
- Magenta (11%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.0644, 0.3451, 0.4986 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 63.0644, 0.3451, 0.4986 by changing the saturation by 10% instead.


 63.0644, 0.3451,
0.4986


 63.0644, 0.3451,
0.4986


435.8032, 0.3350,
0.4146


 45.8933, 0.3456,
0.5184


 109.2624, 0.3430,
0.4688


 32.1616, 0.3449,
0.5428


 139.0581, 0.3417,
0.4573

 21.4850, 0.3422,
0.5733


 173.8308, 0.3404,
0.4475

 13.4790, 0.3349,
0.6114

 213.9649, 0.3392,
0.4391

 7.7592, 0.3259,
0.6741

259.8448, 0.3381,
0.4318

 3.9412, 0.2839,
0.7161

311.8549, 0.3370,

 1.6408, 0.1831,

0.4253

0.8169

370.3796, 0.3360,
0.4197

■ 0.3848, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 63.0644, 0.3451,
0.4986

■ 63.0644, 0.3451,
0.4986

■ 61.6248, 0.3459,
0.5242

■ 64.7347, 0.3423,
0.4701

■ 60.3936, 0.3445,
0.5454


■ 66.6399, 0.3379,
0.4401

■ 59.3576, 0.3409,
0.5611


■ 68.7941, 0.3323,
0.4102

■ 58.4910, 0.3357,
0.5716

■ 71.2077, 0.3260,
0.3812

 58.4840, 0.3357,
0.5717

 73.8905, 0.3194,
0.3539

 76.8518, 0.3127,
0.3288

 80.1004, 0.3060,
0.3059

 82.4576, 0.3105,
0.3016

 83.4251, 0.3140,
0.3019

Harmonies

Analogous

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



63.0644, 0.4253, 0.4739



63.0644, 0.3451, 0.4986



63.0644, 0.2609, 0.4547

Triad

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



63.0644, 0.3451, 0.4986



63.0644, 0.1648, 0.2138



63.0644, 0.4381, 0.2894

Complementary

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



63.0644, 0.3451, 0.4986



20.4061, 0.2508, 0.1603

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.



63.0644, 0.3483, 0.2380



63.0644, 0.3451, 0.4986



63.0644, 0.1964, 0.1953

Square

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



63.0644, 0.3451, 0.4986



63.0644, 0.1638, 0.2671



63.0644, 0.2592, 0.2047



63.0644, 0.4886, 0.3508

Rectangle

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



63.0644, 0.3451, 0.4986



63.0644, 0.2141, 0.3919



63.0644, 0.2592, 0.2047



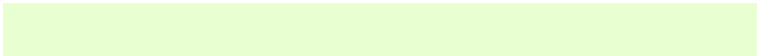
63.0644, 0.4107, 0.2708

Sweetspot

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



63.0672, 0.3451, 0.4986



93.2898, 0.3249, 0.3762



41.8872, 0.4445, 0.4050



19.7593, 0.3268, 0.3844



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.



63.0672, 0.3451, 0.4986



79.7807, 0.3458, 0.5301



57.9248, 0.3036, 0.5223



16.4411, 0.3191, 0.3528



34.1731, 0.3367, 0.5708



2.5805, 0.3478, 0.5621

Inverse Universe

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



20.4061, 0.2508, 0.1603



19.5923, 0.2341, 0.1292



29.3623, 0.3192, 0.1902



14.2396, 0.3058, 0.3053



5.3739, 0.2026, 0.0890



0.4523, 0.2184, 0.0977

Previews

White Background



This preview shows how the Yxy color 63.0644, 0.3451, 0.4986 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 63.0644, 0.3451, 0.4986 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 63.0644, 0.3451, 0.4986

Background



This preview shows how black text looks on a background with the Yxy color 63.0644, 0.3451, 0.4986.



This preview shows how white text looks on a background with the Yxy color 63.0644, 0.3451, 0.4986.

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

63.0644, 0.3451, 0.4986

Protanopia

62.2704, 0.4160, 0.4552

Deuteranopia

62.1321, 0.4334, 0.4237



Tritanopia

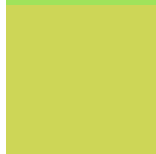
62.7666, 0.2777, 0.3089

Trichromacy



Original Color

63.0644, 0.3451, 0.4986



Protanomaly

61.7604, 0.3890, 0.4716



Deuteranomaly

61.1905, 0.3997, 0.4510



Tritanomaly

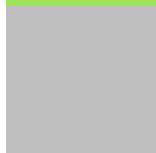
62.0554, 0.3048, 0.3783

Monochromacy



Original Color

63.0644, 0.3451, 0.4986



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

55.1360, 0.3282, 0.3925

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.0644, 0.3451, 0.4986 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(159, 227, 91)` looks like.

```
.text, #text, p{  
    color:rgb(159, 227, 91)  
}
```

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(159, 227, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 227, 91) }
```

Border

The CSS property to change the border of an element to Yxy 63.0644, 0.3451, 0.4986 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(159, 227, 91) }
```

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

```
.border{ border-color:rgb(159, 227, 91) }
```

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

Here you see how a box with a 4 pixel rgb(159, 227, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 227, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 227, 91);  
box-shadow:4px 4px 4px 4px rgb(159, 227,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 63.0644, 0.3451, 0.4986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 227, 91) }
```

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

```
.background{ background-color: rgb(159,  
227, 91) }
```

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