

Converting Colors

Yxy(64.2026, 0.3192, 0.5184)

Have a look what the booklet for
Yxy(64.2026, 0.3192, 0.5184)
contains.

Yxy(64.3096, 0.3191, 0.5180)	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(64.3096, 0.3191, 0.5180)

Conversions

Conversions Part 1

Format	Color
Hex	7AEB5B
RGB	122, 235, 91
RGB Percent	48%, 92%, 36%
CMY	0.5218, 0.0784, 0.6431
CMYK	0.48, 0.00, 0.61, 0.08
HSL	107°, 78%, 64%
HSV	107°, 61%, 92%
XYZ	39.6162, 64.3096, 20.2240
YIQ	184.7970, -21.1240, -68.7400

Conversions

Conversions Part 2

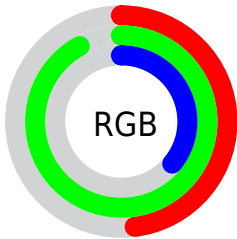
Format	Color
RYB	91, 235, 204
Decimal	8055643
CIELab	84.13, -58.09, 58.52
CIELCh	84, 82.455, 134.788
Yxy	64.3096, 0.3191, 0.5180
Android (android.graphics.Color)	4286245723 (0xFF7AEB5B)
YUV	184.7970, -46.2419, -55.0730
Hunter-Lab	80.1933, -52.1576, 41.1829

Details

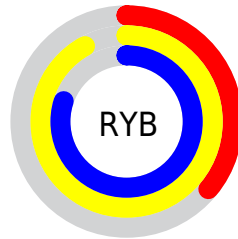
The Yxy color **64.3096, 0.3191, 0.5180** is a dark color, and the websafe version is hex **99FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **26.3326, 0.2884, 0.1739**, and the grayscale version is **48.6611, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4191, 0.3269, 0.4545**, and **32.8804, 0.3118, 0.5697** is the 20% darker color. If you saturate the color by 10%, you get **62.7474, 0.3172, 0.5470**, and if you desaturate by 10%, it is **66.2599, 0.3199, 0.4855**.

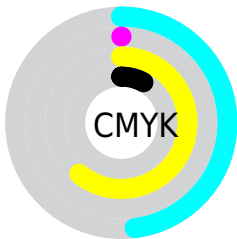
Distribution



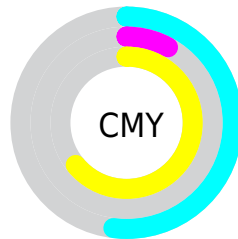
- Red (48%)
- Green (92%)
- Blue (36%)



- Red (36%)
- Yellow (92%)
- Blue (80%)



- Cyan (48%)
- Magenta (0%)
- Yellow (61%)
- Black (8%)





- Cyan (52%)
- Magenta (8%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.3096, 0.3191, 0.5180 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 64.3096, 0.3191, 0.5180 by changing the saturation by 10% instead.

 64.3096, 0.3191,
0.5180

 64.3096, 0.3191,
0.5180


440.3068, 0.3222,
0.4227

 46.9015, 0.3163,
0.5410


 111.0567, 0.3217,
0.4837

 32.9578, 0.3116,
0.5696


 141.1644, 0.3223,
0.4707

 22.0941, 0.3036,
0.6058


 176.2742, 0.3226,
0.4597

 13.9261, 0.2894,
0.6520

 216.7704, 0.3227,
0.4501

 8.0693, 0.2703,
0.7277

263.0373, 0.3226,
0.4419

 4.1393, 0.2178,
0.7822

315.4594, 0.3225,

 1.7518, 0.0376,

0.4347

0.9624

374.4211, 0.3224,
0.4283

0.4569, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.3096, 0.3191,
0.5180

64.3096, 0.3191,
0.5180

62.7474, 0.3172,
0.5470

66.2599, 0.3199,
0.4855

61.5384, 0.3142,
0.5702


68.6143, 0.3197,
0.4517


60.6545, 0.3105,
0.5861

71.3975, 0.3187,
0.4184


60.1140, 0.3070,
0.5944

74.6300, 0.3171,
0.3869

 78.3308, 0.3152,
0.3580

 82.5178, 0.3130,
0.3321

 87.1746, 0.3111,
0.3096

 87.9039, 0.3136,
0.3097

Harmonies

Analogous

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



64.3096, 0.4116, 0.5031



64.3096, 0.3191, 0.5180



64.3096, 0.2298, 0.4456

Triad

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



64.3096, 0.3191, 0.5180



64.3096, 0.1564, 0.1920



64.3096, 0.4764, 0.3014

Complementary

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



64.3096, 0.3191, 0.5180



26.3326, 0.2884, 0.1739

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.



64.3096, 0.3823, 0.2421



64.3096, 0.3191, 0.5180



64.3096, 0.1994, 0.1819

Square

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



64.3096, 0.3191, 0.5180



64.3096, 0.1457, 0.2374



64.3096, 0.2775, 0.1999



64.3096, 0.5136, 0.3690

Rectangle

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



64.3096, 0.3191, 0.5180



64.3096, 0.1848, 0.3665



64.3096, 0.2775, 0.1999



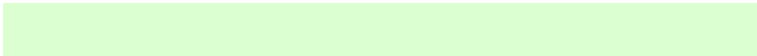
64.3096, 0.4495, 0.2803

Sweetspot

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



64.3123, 0.3191, 0.5180



91.1819, 0.3165, 0.3774



61.5164, 0.4183, 0.4459



19.2497, 0.3171, 0.3861



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.



64.3123, 0.3191, 0.5180



75.0318, 0.3164, 0.5547



63.3094, 0.2861, 0.4744



17.0180, 0.3148, 0.3531



33.4971, 0.3078, 0.5938



2.6712, 0.3169, 0.5866

Inverse Universe

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



26.3326, 0.2884, 0.1739



25.5194, 0.2810, 0.1497



29.0529, 0.3644, 0.2217



15.1411, 0.3104, 0.3055



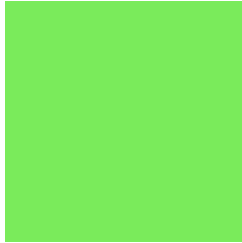
9.1039, 0.2671, 0.1245



0.7554, 0.2750, 0.1288

Previews

White Background



This preview shows how the Yxy color 64.3096, 0.3191, 0.5180 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 64.3096, 0.3191, 0.5180 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

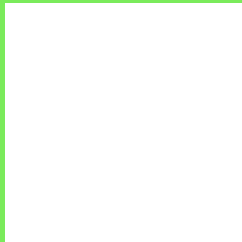
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.3096, 0.3191, 0.5180

Background



This preview shows how black text looks on a background with the Yxy color 64.3096, 0.3191, 0.5180.

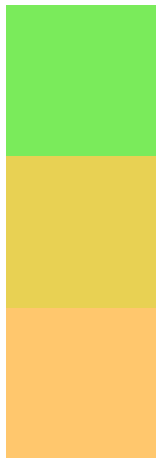


This preview shows how white text looks on a background with the Yxy color 64.3096, 0.3191, 0.5180.

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

64.3096, 0.3191, 0.5180

Protanopia

63.3813, 0.4165, 0.4580

Deuteranopia

63.2110, 0.4269, 0.4189



Tritanopia

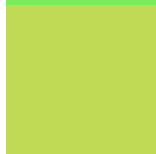
63.7490, 0.2574, 0.3072

Trichromacy



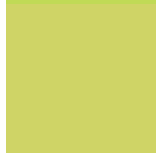
Original Color

64.3096, 0.3191, 0.5180



Protanomaly

62.0212, 0.3767, 0.4818



Deuteranomaly

61.3117, 0.3837, 0.4553



Tritanomaly

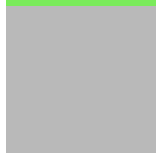
62.8422, 0.2812, 0.3814

Monochromacy



Original Color

64.3096, 0.3191, 0.5180



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

52.6276, 0.3177, 0.3996

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.3096, 0.3191, 0.5180 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(122, 235, 91)` looks like.

```
.text, #text, p{  
    color:rgb(122, 235, 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(122, 235, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 235, 91) }
```

Border

The CSS property to change the border of an element to Yxy 64.3096, 0.3191, 0.5180 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(122, 235, 91) }
```

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

```
.border{ border-color:rgb(122, 235, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 235, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 235, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 235, 91);  
box-shadow:4px 4px 4px 4px rgb(122, 235,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 64.3096, 0.3191, 0.5180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 235, 91) }
```

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

```
.background{ background-color: rgb(122,  
235, 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