

Converting Colors

Yxy(64.5356, 0.3170, 0.4944)

Have a look what the booklet for
Yxy(64.5356, 0.3170, 0.4944)
contains.

Yxy(64.7751, 0.3169, 0.4941)	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(64.7751, 0.3169, 0.4941)

Conversions

Conversions Part 1

Format	Color
Hex	83EA6D
RGB	131, 234, 109
RGB Percent	51%, 92%, 43%
CMY	0.4862, 0.0823, 0.5726
CMYK	0.44, 0.00, 0.53, 0.08
HSL	109°, 75%, 67%
HSV	109°, 53%, 92%
XYZ	41.5447, 64.7751, 24.7774
YIQ	188.9530, -21.2630, -60.7110

Conversions

Conversions Part 2

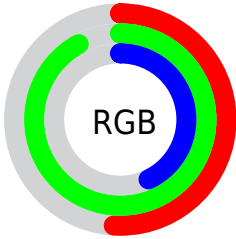
Format	Color
RYB	109, 234, 212
Decimal	8645229
CIELab	84.37, -53.16, 50.94
CIELCh	84, 73.631, 136.221
Yxy	64.7751, 0.3169, 0.4941
Android (android.graphics.Color)	4286835309 (0xFF83EA6D)
YUV	188.9530, -39.4168, -50.8248
Hunter-Lab	80.4830, -48.7049, 38.0852

Details

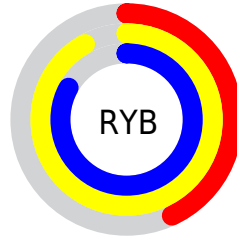
The Yxy color **64.7751, 0.3169, 0.4941** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **30.8690, 0.2973, 0.1934**, and the grayscale version is **51.1025, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9832, 0.3232, 0.4335**, and **33.1075, 0.3115, 0.5397** is the 20% darker color. If you saturate the color by 10%, you get **62.9403, 0.3156, 0.5265**, and if you desaturate by 10%, it is **67.0359, 0.3173, 0.4599**.

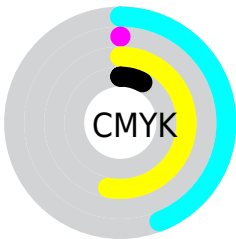
Distribution



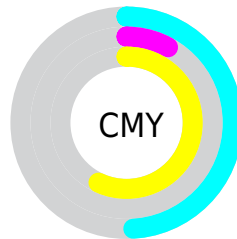
- Red (51%)
- Green (92%)
- Blue (43%)



- Red (43%)
- Yellow (92%)
- Blue (83%)



- Cyan (44%)
- Magenta (0%)
- Yellow (53%)
- Black (8%)





- Cyan (49%)
- Magenta (8%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.7751, 0.3169, 0.4941 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 64.7751, 0.3169, 0.4941 by changing the saturation by 10% instead.


 64.7751, 0.3169,
0.4941

 64.7751, 0.3169,
0.4941


441.9833, 0.3194,
0.4109


 47.2787, 0.3148,
0.5144

 111.7265, 0.3189,
0.4641


 33.2561, 0.3114,
0.5400


 141.9502, 0.3193,
0.4527

 22.3227, 0.3054,
0.5728

 177.1853, 0.3196,
0.4430

 14.0942, 0.2949,
0.6159

 217.8160, 0.3197,
0.4348

 8.1862, 0.2765,
0.6756

264.2268, 0.3197,
0.4276

 4.2143, 0.2415,
0.7585

316.8020, 0.3196,

 1.7942, 0.1066,

0.4213

0.8934

375.9260, 0.3195,
0.4158

■ 0.4835, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 64.7751, 0.3169,
0.4941

■ 64.7751, 0.3169,
0.4941

■ 62.9403, 0.3156,
0.5265

■ 67.0359, 0.3173,
0.4599

■ 61.4964, 0.3135,
0.5546


■ 69.7388, 0.3170,
0.4260

■ 60.4161, 0.3105,
0.5764

■ 72.9091, 0.3161,
0.3937

■ 59.6646, 0.3071,
0.5905

■ 76.5677, 0.3148,
0.3641

 59.3234, 0.3049,
0.5961

 80.7342, 0.3133,
0.3374

 85.4272, 0.3116,
0.3138

 87.3272, 0.3137,
0.3088

Harmonies

Analogous

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



64.7751, 0.4013, 0.4886



64.7751, 0.3169, 0.4941



64.7751, 0.2359, 0.4268

Triad

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



64.7751, 0.3169, 0.4941



64.7751, 0.1709, 0.2035



64.7751, 0.4617, 0.3085

Complementary

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



64.7751, 0.3169, 0.4941



30.8690, 0.2973, 0.1934

Split Complementary

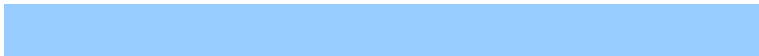
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



64.7751, 0.3799, 0.2526



64.7751, 0.3169, 0.4941



64.7751, 0.2128, 0.1947

Square

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



64.7751, 0.3169, 0.4941



64.7751, 0.1598, 0.2448



64.7751, 0.2859, 0.2124



64.7751, 0.4935, 0.3718

Rectangle

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



64.7751, 0.3169, 0.4941



64.7751, 0.1952, 0.3582



64.7751, 0.2859, 0.2124



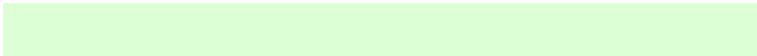
64.7751, 0.4385, 0.2887

Sweetspot

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



64.7778, 0.3169, 0.4941



91.8186, 0.3152, 0.3717



65.2269, 0.4024, 0.4374



19.4526, 0.3154, 0.3777



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.



64.7778, 0.3169, 0.4941



76.3222, 0.3155, 0.5291



64.2542, 0.2858, 0.4466



16.9897, 0.3142, 0.3532



33.3736, 0.3056, 0.5955



2.6575, 0.3139, 0.5890

Inverse Universe

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



30.8690, 0.2973, 0.1934



31.0477, 0.2926, 0.1705



32.3417, 0.3604, 0.2370



15.1717, 0.3110, 0.3056



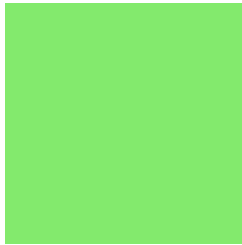
9.7417, 0.2768, 0.1298



0.8001, 0.2832, 0.1334

Previews

White Background



This preview shows how the Yxy color 64.7751, 0.3169, 0.4941 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 64.7751, 0.3169, 0.4941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

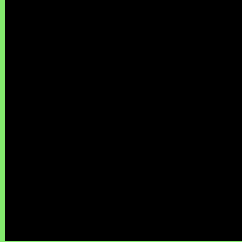
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

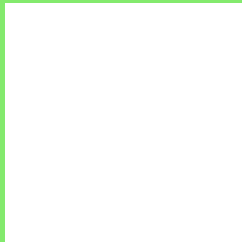
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.7751, 0.3169, 0.4941

Background



This preview shows how black text looks on a background with the Yxy color 64.7751, 0.3169, 0.4941.

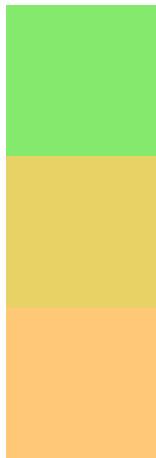


This preview shows how white text looks on a background with the Yxy color 64.7751, 0.3169, 0.4941.

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

64.7751, 0.3169, 0.4941

Protanopia

63.6963, 0.4067, 0.4434

Deuteranopia

63.8766, 0.4202, 0.4119



Tritanopia

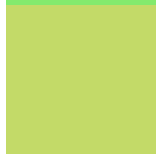
64.3280, 0.2606, 0.3073

Trichromacy



Original Color

64.7751, 0.3169, 0.4941



Protanomaly

62.7444, 0.3699, 0.4634



Deuteranomaly

62.0264, 0.3784, 0.4411



Tritanomaly

63.7230, 0.2818, 0.3727

Monochromacy



Original Color

64.7751, 0.3169, 0.4941



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

54.5255, 0.3159, 0.3886

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.7751, 0.3169, 0.4941 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(131, 234, 109)` looks like.

```
.text, #text, p{  
    color:rgb(131, 234, 109)  
}
```

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(131, 234, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 234, 109) }
```

Border

The CSS property to change the border of an element to Yxy 64.7751, 0.3169, 0.4941 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(131, 234, 109) }
```

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

```
.border{ border-color:rgb(131, 234, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 234, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 234, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 234, 109);  
box-shadow:4px 4px 4px 4px rgb(131, 234,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 64.7751, 0.3169, 0.4941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 234, 109) }
```

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

```
.background{ background-color: rgb(131,  
234, 109) }
```

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