

Converting Colors

Yxy(64.7235, 0.3147, 0.5137)

Have a look what the booklet for
Yxy(64.7235, 0.3147, 0.5137)
contains.

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Color

Yxy(64.7055, 0.3144, 0.5134)

Conversions

Conversions Part 1

Format	Color
Hex	76EC61
RGB	118, 236, 97
RGB Percent	46%, 93%, 38%
CMY	0.5372, 0.0745, 0.6197
CMYK	0.50, 0.00, 0.59, 0.07
HSL	111°, 79%, 65%
HSV	111°, 59%, 93%
XYZ	39.6249, 64.7055, 21.7029
YIQ	184.8720, -25.7090, -68.2450

Conversions

Conversions Part 2

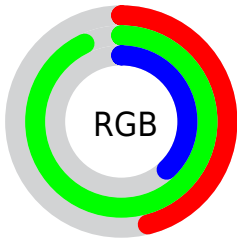
Format	Color
RYB	97, 236, 215
Decimal	7793761
CIELab	84.33, -58.95, 56.16
CIELCh	84, 81.413, 136.388
Yxy	64.7055, 0.3144, 0.5134
Android (android.graphics.Color)	4285983841 (0xFF76EC61)
YUV	184.8720, -43.3209, -58.6467
Hunter-Lab	80.4397, -52.8398, 40.3111

Details

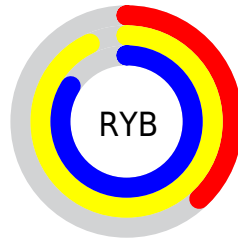
The Yxy color **64.7055, 0.3144, 0.5134** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **29.0421, 0.2984, 0.1827**, and the grayscale version is **48.6991, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2520, 0.3220, 0.4484**, and **33.1643, 0.3062, 0.5639** is the 20% darker color. If you saturate the color by 10%, you get **63.0750, 0.3126, 0.5440**, and if you desaturate by 10%, it is **66.7701, 0.3154, 0.4796**.

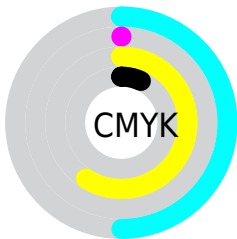
Distribution



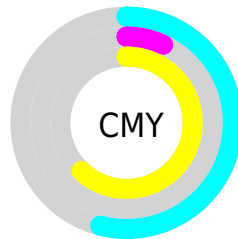
- Red (46%)
- Green (93%)
- Blue (38%)



- Red (38%)
- Yellow (93%)
- Blue (84%)



- Cyan (50%)
- Magenta (0%)
- Yellow (59%)
- Black (7%)





- Cyan (54%)
- Magenta (7%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.7055, 0.3144, 0.5134 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 64.7055, 0.3144, 0.5134 by changing the saturation by 10% instead.


 64.7055, 0.3144,
0.5134

 64.7055, 0.3144,
0.5134


441.7329, 0.3193,
0.4202


 47.2223, 0.3114,
0.5360


 111.6264, 0.3175,
0.4798

 33.2114, 0.3065,
0.5644


 141.8328, 0.3183,
0.4671

 22.2885, 0.2983,
0.6005


 177.0492, 0.3188,
0.4562

 14.0690, 0.2844,
0.6470

 217.6598, 0.3191,
0.4470

 8.1687, 0.2636,
0.7178

264.0491, 0.3193,
0.4389

 4.2031, 0.2153,
0.7847

316.6014, 0.3193,

 1.7878, 0.0372,

0.4319

0.9628

375.7012, 0.3193,
0.4257

0.4796, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.7055, 0.3144,
0.5134

64.7055, 0.3144,
0.5134

63.0750, 0.3126,
0.5440

66.7701, 0.3154,
0.4796

61.8393, 0.3101,
0.5689


69.2884, 0.3158,
0.4451


60.9658, 0.3071,
0.5864

72.2887, 0.3155,
0.4115


60.4088, 0.3040,
0.5962

75.7945, 0.3148,
0.3801

 60.3630, 0.3038,
0.5970

 79.8279, 0.3138,
0.3517

 84.4094, 0.3126,
0.3264

 88.4729, 0.3136,
0.3107

Harmonies

Analogous

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



64.7055, 0.4062, 0.5034



64.7055, 0.3144, 0.5134



64.7055, 0.2270, 0.4378

Triad

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



64.7055, 0.3144, 0.5134



64.7055, 0.1595, 0.1923



64.7055, 0.4777, 0.3054

Complementary

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



64.7055, 0.3144, 0.5134



29.0421, 0.2984, 0.1827

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.



64.7055, 0.3870, 0.2460



64.7055, 0.3144, 0.5134



64.7055, 0.2041, 0.1838

Square

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



64.7055, 0.3144, 0.5134



64.7055, 0.1473, 0.2353



64.7055, 0.2831, 0.2030



64.7055, 0.5110, 0.3727

Rectangle

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



64.7055, 0.3144, 0.5134



64.7055, 0.1837, 0.3598



64.7055, 0.2831, 0.2030



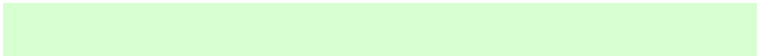
64.7055, 0.4521, 0.2844

Sweetspot

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



64.7082, 0.3144, 0.5134



90.7345, 0.3147, 0.3776



66.2000, 0.4099, 0.4485



19.1426, 0.3150, 0.3865



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.



64.7082, 0.3144, 0.5134



74.8008, 0.3121, 0.5505



64.5257, 0.2832, 0.4580



16.9715, 0.3138, 0.3532



33.3066, 0.3044, 0.5965



2.6489, 0.3120, 0.5905

Inverse Universe

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



29.0421, 0.2984, 0.1827



28.5391, 0.2937, 0.1601



30.0810, 0.3702, 0.2314



15.1916, 0.3114, 0.3056



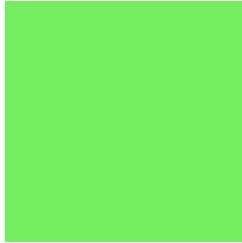
10.1737, 0.2830, 0.1333



0.8302, 0.2885, 0.1363

Previews

White Background



This preview shows how the Yxy color 64.7055, 0.3144, 0.5134 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 64.7055, 0.3144, 0.5134 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

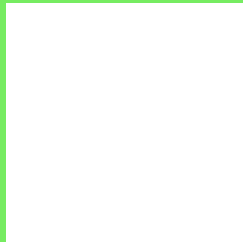
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.7055, 0.3144, 0.5134

Background



This preview shows how black text looks on a background with the Yxy color 64.7055, 0.3144, 0.5134.



This preview shows how white text looks on a background with the Yxy color 64.7055, 0.3144, 0.5134.

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

64.7055, 0.3144, 0.5134

Protanopia

63.4780, 0.4134, 0.4534

Deuteranopia

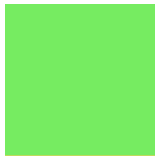
63.2991, 0.4242, 0.4154



Tritanopia

64.0559, 0.2555, 0.3071

Trichromacy



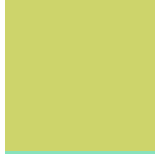
Original Color

64.7055, 0.3144, 0.5134



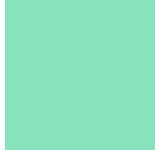
Protanomaly

62.5121, 0.3725, 0.4776



Deuteranomaly

61.1276, 0.3791, 0.4511



Tritanomaly

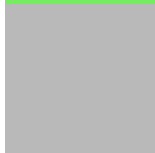
63.2148, 0.2785, 0.3801

Monochromacy



Original Color

64.7055, 0.3144, 0.5134



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

53.0627, 0.3155, 0.3982

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.7055, 0.3144, 0.5134 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(118, 236, 97)` looks like.

```
.text, #text, p{  
    color:rgb(118, 236, 97)  
}
```

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(118, 236, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 236, 97) }
```

Border

The CSS property to change the border of an element to Yxy 64.7055, 0.3144, 0.5134 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(118, 236, 97) }
```

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

```
.border{ border-color:rgb(118, 236, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 236, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 236, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 236, 97);  
box-shadow:4px 4px 4px 4px rgb(118, 236,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 64.7055, 0.3144, 0.5134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 236, 97) }
```

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

```
.background{ background-color: rgb(118,  
236, 97) }
```

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](#).

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