

Converting Colors

$Y_{xy}(69.7534, 0.3112, 0.5450)$

Have a look what the booklet for
Yxy(69.7534, 0.3112, 0.5450)
contains.

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Color

Yxy(69.7667, 0.3114, 0.5450)

Conversions

Conversions Part 1

Format	Color
Hex	64F74D
RGB	100, 247, 77
RGB Percent	39%, 97%, 30%
CMY	0.6075, 0.0314, 0.6981
CMYK	0.59, 0.00, 0.69, 0.03
HSL	112°, 91%, 64%
HSV	112°, 69%, 97%
XYZ	39.8630, 69.7667, 18.3826
YIQ	183.6670, -33.0420, -84.0340

Conversions

Conversions Part 2

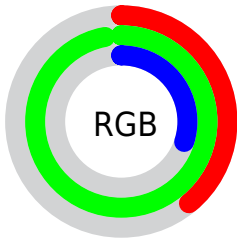
Format	Color
RYB	77, 247, 224
Decimal	6616909
CIELab	86.88, -69.19, 66.85
CIElCh	87, 96.207, 135.988
Yxy	69.7667, 0.3114, 0.5450
Android (android.graphics.Color)	4284806989 (0xFF64F74D)
YUV	183.6670, -52.5868, -73.3760
Hunter-Lab	83.5265, -60.9821, 45.4199

Details

The Yxy color **69.7667, 0.3114, 0.5450** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle washed chartreuse. A complement of this color would be **27.8499, 0.2972, 0.1651**, and the grayscale version is **48.0626, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.1337, 0.3223, 0.4722**, and **36.3952, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **68.4215, 0.3090, 0.5700**, and if you desaturate by 10%, it is **71.5689, 0.3132, 0.5143**.

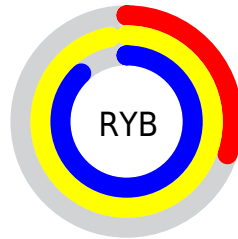
Distribution



Red (39%)

Green (97%)

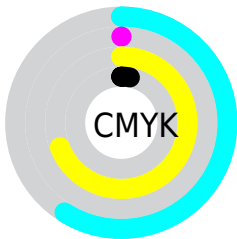
Blue (30%)



Red (30%)

Yellow (97%)

Blue (88%)

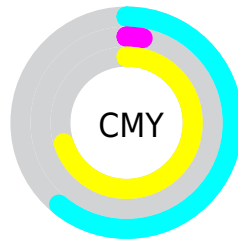


Cyan (59%)

Magenta (0%)

Yellow (69%)

Black (3%)



Cyan (61%)


Magenta (3%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.7667, 0.3114, 0.5450 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 69.7667, 0.3114, 0.5450 by changing the saturation by 10% instead.


 69.7667, 0.3114,
0.5450

 69.7667, 0.3114,
0.5450


459.7304, 0.3201,
0.4371

 51.3364, 0.3068,
0.5704


 118.8760, 0.3164,
0.5067

 36.4764, 0.2997,
0.6015


 150.3237, 0.3178,
0.4919


 24.8023, 0.2884,
0.6401


 186.8794, 0.3187,
0.4794

 15.9298, 0.2700,
0.6878

 228.9274, 0.3193,
0.4686

 9.4745, 0.2430,
0.7570

 276.8521, 0.3197,
0.4591

 5.0520, 0.1888,
0.8112

331.0379, 0.3199,

 2.2778, 0.0369,

0.4509

0.9631

391.8692, 0.3201,
0.4436

0.7619, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

69.7667, 0.3114,
0.5450

69.7667, 0.3114,
0.5450

68.4215, 0.3090,
0.5700

71.5689, 0.3132,
0.5143

67.4831, 0.3061,
0.5873

73.8555, 0.3144,
0.4803


66.9019, 0.3033,
0.5967


76.6618, 0.3149,
0.4454


66.8522, 0.3031,
0.5976

80.0173, 0.3148,
0.4116

 83.9494, 0.3143,
0.3801

 88.4836, 0.3136,
0.3516

 93.6439, 0.3126,
0.3262

 94.9993, 0.3131,
0.3214

Harmonies

Analogous

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



69.7667, 0.4138, 0.5237



69.7667, 0.3114, 0.5450



69.7667, 0.2144, 0.4584

Triad

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



69.7667, 0.3114, 0.5450



69.7667, 0.1423, 0.1761



69.7667, 0.5011, 0.2987

Complementary

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



69.7667, 0.3114, 0.5450



27.8499, 0.2972, 0.1651

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.



69.7667, 0.3955, 0.2346



69.7667, 0.3114, 0.5450



69.7667, 0.1896, 0.1676

Square

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



69.7667, 0.3114, 0.5450



69.7667, 0.1292, 0.2219



69.7667, 0.2765, 0.1883



69.7667, 0.5373, 0.3710

Rectangle

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



69.7667, 0.3114, 0.5450



69.7667, 0.1671, 0.3646



69.7667, 0.2765, 0.1883



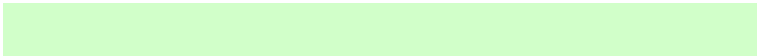
69.7667, 0.4715, 0.2761

Sweetspot

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



69.7696, 0.3114, 0.5450



89.2741, 0.3145, 0.3868



72.2836, 0.4225, 0.4649



18.8528, 0.3146, 0.3954



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.



69.7696, 0.3114, 0.5450



73.0793, 0.3078, 0.5784



69.8879, 0.2804, 0.4803



18.5800, 0.3136, 0.3533



35.3916, 0.3037, 0.5971



3.1435, 0.3100, 0.5921

Inverse Universe

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



27.8499, 0.2972, 0.1651



25.1792, 0.2922, 0.1461



28.6881, 0.3881, 0.2225



16.6474, 0.3116, 0.3055



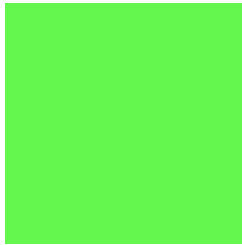
11.1126, 0.2868, 0.1354



1.0076, 0.2913, 0.1378

Previews

White Background



This preview shows how the Yxy color 69.7667, 0.3114, 0.5450 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 69.7667, 0.3114, 0.5450 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 69.7667, 0.3114, 0.5450

Background



This preview shows how black text looks on a background with the Yxy color 69.7667, 0.3114, 0.5450.



This preview shows how white text looks on a background with the Yxy color 69.7667, 0.3114, 0.5450.

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

69.7667, 0.3114, 0.5450

Protanopia

68.4187, 0.4257, 0.4679

Deuteranopia

68.2358, 0.4011, 0.3998



Tritanopia

69.3947, 0.2489, 0.3076

Trichromacy



Original Color

69.7667, 0.3114, 0.5450



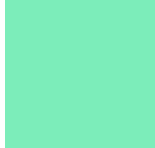
Protanomaly

66.3532, 0.3763, 0.5006



Deuteranomaly

65.6456, 0.3646, 0.4531



Tritanomaly

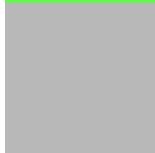
68.3986, 0.2743, 0.3953

Monochromacy



Original Color

69.7667, 0.3114, 0.5450



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

53.4423, 0.3145, 0.4144

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.7667, 0.3114, 0.5450 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(100, 247, 77)` looks like.

```
.text, #text, p{  
    color:rgb(100, 247, 77)  
}
```

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(100, 247, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 247, 77) }
```

Border

The CSS property to change the border of an element to Yxy 69.7667, 0.3114, 0.5450 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(100, 247, 77) }
```

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

```
.border{ border-color:rgb(100, 247, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 247, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 247, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 247, 77);  
box-shadow:4px 4px 4px 4px rgb(100, 247,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 69.7667, 0.3114, 0.5450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 247, 77) }
```

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

```
.background{ background-color: rgb(100,  
247, 77) }
```

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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