

Converting Colors

Yxy(68.7962, 0.3087, 0.4949)

Have a look what the booklet for
Yxy(68.7962, 0.3087, 0.4949)
contains.

Yxy(68.9530, 0.3089, 0.4952)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(68.9530, 0.3089, 0.4952)

Conversions

Conversions Part 1

Format	Color
Hex	7BF273
RGB	123, 242, 115
RGB Percent	48%, 95%, 45%
CMY	0.5178, 0.0509, 0.5488
CMYK	0.49, 0.00, 0.52, 0.05
HSL	116°, 83%, 70%
HSV	116°, 52%, 95%
XYZ	43.0121, 68.9530, 27.2777
YIQ	191.9410, -30.1570, -64.7250

Conversions

Conversions Part 2

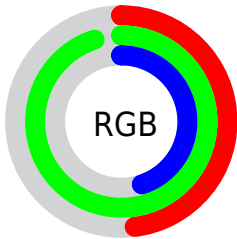
Format	Color
RYB	115, 242, 234
Decimal	8122995
CIELab	86.48, -57.85, 50.61
CIElCh	86, 76.868, 138.821
Yxy	68.9530, 0.3089, 0.4952
Android (android.graphics.Color)	4286313075 (0xFF7BF273)
YUV	191.9410, -37.9319, -60.4613
Hunter-Lab	83.0379, -52.8568, 38.6500

Details

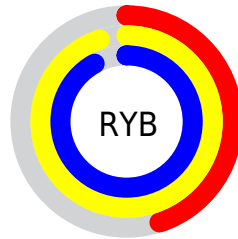
The Yxy color **68.9530, 0.3089, 0.4952** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **36.1972, 0.3112, 0.2007**, and the grayscale version is **52.9122, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3297, 0.3157, 0.4279**, and **36.0064, 0.3018, 0.5411** is the 20% darker color. If you saturate the color by 10%, you get **66.9862, 0.3073, 0.5289**, and if you desaturate by 10%, it is **71.4597, 0.3102, 0.4597**.

Distribution



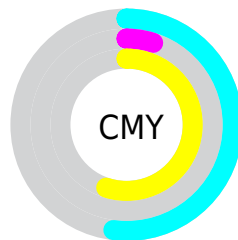
- Red (48%)
- Green (95%)
- Blue (45%)



- Red (45%)
- Yellow (95%)
- Blue (92%)



- Cyan (49%)
- Magenta (0%)
- Yellow (52%)
- Black (5%)





- Cyan (52%)
- Magenta (5%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.9530, 0.3089, 0.4952 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 68.9530, 0.3089, 0.4952 by changing the saturation by 10% instead.


 68.9530, 0.3089,
0.4952


 68.9530, 0.3089,
0.4952

456.8652, 0.3152,
0.4119


 50.6734, 0.3061,
0.5154

 117.7144, 0.3121,
0.4652

 35.9488, 0.3017,
0.5409


 148.9651, 0.3131,
0.4538

 24.3946, 0.2949,
0.5735


 185.3083, 0.3138,
0.4442

 15.6266, 0.2836,
0.6164

227.1283, 0.3142,
0.4359

 9.2603, 0.2639,
0.6736

274.8096, 0.3146,
0.4287

 4.9114, 0.2333,
0.7667


328.7366, 0.3148,

 2.1954, 0.1279,


0.4224


0.8721


389.2937, 0.3150,
0.4168

 0.7175, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 68.9530, 0.3089,
0.4952


 68.9530, 0.3089,
0.4952


 66.9862, 0.3073,
0.5289


 71.4597, 0.3102,
0.4597


 65.5117, 0.3055,
0.5581


 74.5327, 0.3112,
0.4246

 64.4883, 0.3037,
0.5802


 78.2069, 0.3119,
0.3916

 63.8638, 0.3019,
0.5939

 82.5120, 0.3124,
0.3617

 63.6115, 0.3010,
0.5992

 87.4757, 0.3127,
0.3350

 91.9895, 0.3133,
0.3166

Harmonies

Analogous

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



68.9530, 0.3955, 0.4948



68.9530, 0.3089, 0.4952



68.9530, 0.2280, 0.4205

Triad

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



68.9530, 0.3089, 0.4952



68.9530, 0.1708, 0.1992



68.9530, 0.4703, 0.3131

Complementary

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



68.9530, 0.3089, 0.4952



36.1972, 0.3112, 0.2007

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.



68.9530, 0.3897, 0.2555



68.9530, 0.3089, 0.4952



68.9530, 0.2160, 0.1929

Square

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



68.9530, 0.3089, 0.4952



68.9530, 0.1568, 0.2377



68.9530, 0.2930, 0.2131



68.9530, 0.4971, 0.3777

Rectangle

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



68.9530, 0.3089, 0.4952



68.9530, 0.1886, 0.3495



68.9530, 0.2930, 0.2131



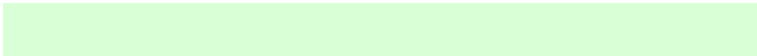
68.9530, 0.4480, 0.2928

Sweetspot

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



68.9559, 0.3089, 0.4952



91.0967, 0.3123, 0.3720



78.7049, 0.3932, 0.4484



19.2831, 0.3122, 0.3782



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.



68.9559, 0.3089, 0.4952



75.2979, 0.3072, 0.5312



70.0630, 0.2788, 0.4238



17.7033, 0.3125, 0.3533



34.1891, 0.3013, 0.5989



2.8606, 0.3048, 0.5962

Inverse Universe

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



36.1972, 0.3112, 0.2007



34.7020, 0.3102, 0.1802



34.7406, 0.3763, 0.2527



15.9784, 0.3128, 0.3057



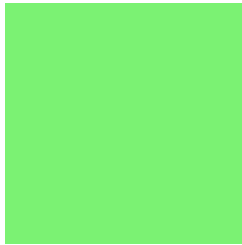
12.2352, 0.3054, 0.1456



1.0329, 0.3076, 0.1468

Previews

White Background



This preview shows how the Yxy color 68.9530, 0.3089, 0.4952 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 68.9530, 0.3089, 0.4952 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 68.9530, 0.3089, 0.4952

Background



This preview shows how black text looks on a background with the Yxy color 68.9530, 0.3089, 0.4952.



This preview shows how white text looks on a background with the Yxy color 68.9530, 0.3089, 0.4952.

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

68.9530, 0.3089, 0.4952

Protanopia

67.8186, 0.4051, 0.4420

Deuteranopia

67.8688, 0.3987, 0.3949



Tritanopia

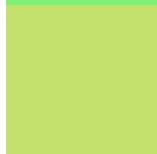
68.6247, 0.2554, 0.3077

Trichromacy



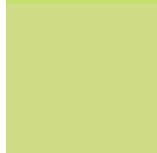
Original Color

68.9530, 0.3089, 0.4952



Protanomaly

66.6903, 0.3650, 0.4640



Deuteranomaly

66.1453, 0.3614, 0.4303



Tritanomaly

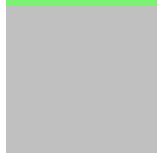
67.9305, 0.2756, 0.3733

Monochromacy



Original Color

68.9530, 0.3089, 0.4952



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

56.9890, 0.3121, 0.3893

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.9530, 0.3089, 0.4952 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(123, 242, 115)` looks like.

```
.text, #text, p{  
    color:rgb(123, 242, 115)  
}
```

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(123, 242, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 242, 115) }
```

Border

The CSS property to change the border of an element to Yxy 68.9530, 0.3089, 0.4952 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(123, 242, 115) }
```

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

```
.border{ border-color:rgb(123, 242, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 242, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 242, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 242, 115);  
box-shadow:4px 4px 4px 4px rgb(123, 242,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 68.9530, 0.3089, 0.4952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 242, 115) }
```

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

```
.background{ background-color: rgb(123,  
242, 115) }
```

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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