

Converting Colors

$Yxy(69.4809, 0.3359, 0.5104)$

Have a look what the booklet for
Yxy(69.4809, 0.3359, 0.5104)
contains.

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Color

Yxy(69.6548, 0.3359, 0.5107)

Conversions

Conversions Part 1

Format	Color
Hex	97F05B
RGB	151, 240, 91
RGB Percent	59%, 94%, 36%
CMY	0.4077, 0.0588, 0.6432
CMYK	0.37, 0.00, 0.62, 0.06
HSL	96°, 83%, 65%
HSV	96°, 62%, 94%
XYZ	45.8137, 69.6548, 20.9224
YIQ	196.4030, -5.2150, -65.2070

Conversions

Conversions Part 2

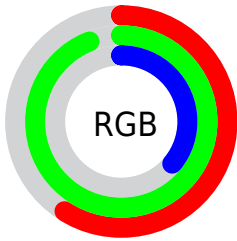
Format	Color
RYB	91, 240, 180
Decimal	9957467
CIELab	86.83, -51.19, 61.88
CIELCh	87, 80.306, 129.599
Yxy	69.6548, 0.3359, 0.5107
Android (android.graphics.Color)	4288147547 (0xFF97F05B)
YUV	196.4030, -51.9637, -39.8184
Hunter-Lab	83.4595, -48.0694, 43.5583

Details

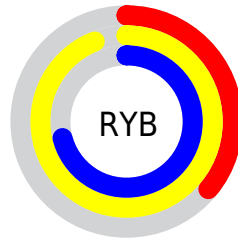
The Yxy color **69.6548, 0.3359, 0.5107** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **23.4684, 0.2609, 0.1600**, and the grayscale version is **55.7811, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2970, 0.3457, 0.4470**, and **36.2984, 0.3328, 0.5564** is the 20% darker color. If you saturate the color by 10%, you get **68.0188, 0.3351, 0.5370**, and if you desaturate by 10%, it is **71.5959, 0.3349, 0.4810**.

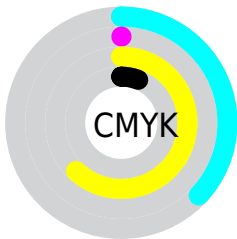
Distribution



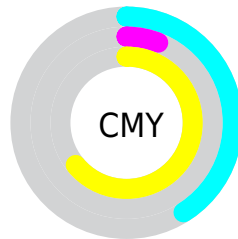
- Red (59%)
- Green (94%)
- Blue (36%)



- Red (36%)
- Yellow (94%)
- Blue (71%)



- Cyan (37%)
- Magenta (0%)
- Yellow (62%)
- Black (6%)





- Cyan (41%)
- Magenta (6%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.6548, 0.3359, 0.5107 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 69.6548, 0.3359, 0.5107 by changing the saturation by 10% instead.


 69.6548, 0.3359,
0.5107


 69.6548, 0.3359,
0.5107

459.3370, 0.3311,
0.4215

 51.2452, 0.3350,
0.5315


 118.7163, 0.3357,
0.4792


 36.4038, 0.3327,
0.5569


 150.1370, 0.3352,
0.4671

 24.7462, 0.3279,
0.5885


 186.6635, 0.3346,
0.4567

 15.8881, 0.3183,
0.6278

 228.6803, 0.3339,
0.4477

 9.4450, 0.3044,
0.6874

276.5716, 0.3331,
0.4399

 5.0325, 0.2640,
0.7360

330.7219, 0.3324,

 2.2664, 0.1869,

0.4330

0.8131

391.5155, 0.3317,
0.4269

0.7558, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

69.6548, 0.3359,
0.5107

69.6548, 0.3359,
0.5107

68.0188, 0.3351,
0.5370

71.5959, 0.3349,
0.4810

66.6597, 0.3323,
0.5583

73.8501, 0.3323,
0.4497

65.5584, 0.3277,
0.5735


76.4360, 0.3285,
0.4184


64.8462, 0.3233,
0.5815

79.3680, 0.3240,
0.3882

 82.6596, 0.3190,
0.3600

 86.3234, 0.3138,
0.3341

 90.1124, 0.3110,
0.3145

 90.8010, 0.3134,
0.3146

Harmonies

Analogous

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



69.6548, 0.4226, 0.4875



69.6548, 0.3359, 0.5107



69.6548, 0.2479, 0.4558

Triad

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



69.6548, 0.3359, 0.5107



69.6548, 0.1585, 0.2029



69.6548, 0.4555, 0.2927

Complementary

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



69.6548, 0.3359, 0.5107



23.4684, 0.2609, 0.1600

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.



69.6548, 0.3613, 0.2374



69.6548, 0.3359, 0.5107



69.6548, 0.1948, 0.1874

Square

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



69.6548, 0.3359, 0.5107



69.6548, 0.1538, 0.2541



69.6548, 0.2643, 0.2003



69.6548, 0.5027, 0.3573

Rectangle

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



69.6548, 0.3359, 0.5107



69.6548, 0.2007, 0.3846



69.6548, 0.2643, 0.2003



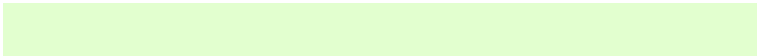
69.6548, 0.4273, 0.2728

Sweetspot

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



69.6578, 0.3359, 0.5107



92.1834, 0.3225, 0.3794



51.0854, 0.4413, 0.4197



19.5078, 0.3239, 0.3878



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.



69.6578, 0.3359, 0.5107



77.5334, 0.3344, 0.5444



65.5315, 0.2986, 0.5158



17.9672, 0.3176, 0.3530



35.5700, 0.3245, 0.5806



3.0156, 0.3347, 0.5724

Inverse Universe

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



23.4684, 0.2609, 0.1600



20.3165, 0.2465, 0.1310



31.5828, 0.3319, 0.1955



15.6953, 0.3073, 0.3053



6.7347, 0.2226, 0.1000



0.6181, 0.2352, 0.1069

Previews

White Background



This preview shows how the Yxy color 69.6548, 0.3359, 0.5107 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 69.6548, 0.3359, 0.5107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

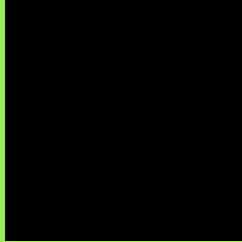
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.6548, 0.3359, 0.5107

Background



This preview shows how black text looks on a background with the Yxy color 69.6548, 0.3359, 0.5107.



This preview shows how white text looks on a background with the Yxy color 69.6548, 0.3359, 0.5107.

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

69.6548, 0.3359, 0.5107

Protanopia

68.9666, 0.4178, 0.4596

Deuteranopia

68.8139, 0.3984, 0.3978



Tritanopia

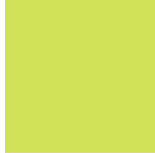
69.3202, 0.2693, 0.3083

Trichromacy



Original Color

69.6548, 0.3359, 0.5107



Protanomaly

67.9484, 0.3853, 0.4790



Deuteranomaly

67.3682, 0.3756, 0.4379



Tritanomaly

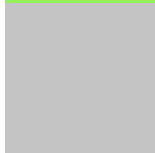
68.3315, 0.2960, 0.3809

Monochromacy



Original Color

69.6548, 0.3359, 0.5107



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

59.2589, 0.3257, 0.3976

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.6548, 0.3359, 0.5107 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(151, 240, 91)` looks like.

```
.text, #text, p{  
    color:rgb(151, 240, 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(151, 240, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 240, 91) }
```

Border

The CSS property to change the border of an element to Yxy 69.6548, 0.3359, 0.5107 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(151, 240, 91) }
```

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

```
.border{ border-color:rgb(151, 240, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 240, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 240, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 240, 91);  
box-shadow:4px 4px 4px 4px rgb(151, 240,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 69.6548, 0.3359, 0.5107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 240, 91) }
```

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

```
.background{ background-color: rgb(151,  
240, 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](#).

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