

Converting Colors

$Y_{xy}(71.1507, 0.3436, 0.5014)$

Have a look what the booklet for
Yxy(71.1507, 0.3436, 0.5014)
contains.

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Color

Yxy(71.1457, 0.3436, 0.5015)

Conversions

Conversions Part 1

Format	Color
Hex	A5F05F
RGB	165, 240, 95
RGB Percent	65%, 94%, 37%
CMY	0.3528, 0.0588, 0.6277
CMYK	0.31, 0.00, 0.60, 0.06
HSL	91°, 83%, 66%
HSV	91°, 60%, 94%
XYZ	48.7451, 71.1457, 21.9750
YIQ	201.0450, 1.8450, -60.9950

Conversions

Conversions Part 2

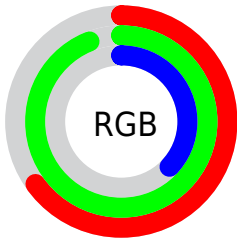
Format	Color
RYB	95, 240, 170
Decimal	10874975
CIELab	87.56, -46.14, 61.23
CIElCh	88, 76.667, 127.000
Yxy	71.1457, 0.3436, 0.5015
Android (android.graphics.Color)	4289065055 (0xFFA5F05F)
YUV	201.0450, -52.2802, -31.6115
Hunter-Lab	84.3479, -44.4528, 43.5968

Details

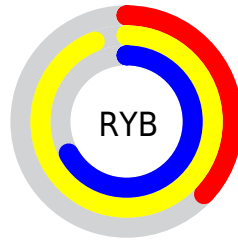
The Yxy color **71.1457, 0.3436, 0.5015** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **23.0018, 0.2520, 0.1594**, and the grayscale version is **58.7694, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4100, 0.3524, 0.4395**, and **37.1887, 0.3432, 0.5442** is the 20% darker color. If you saturate the color by 10%, you get **69.5112, 0.3440, 0.5272**, and if you desaturate by 10%, it is **73.0498, 0.3412, 0.4727**.

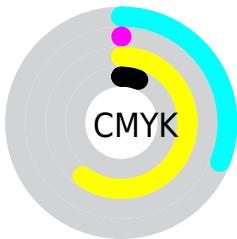
Distribution



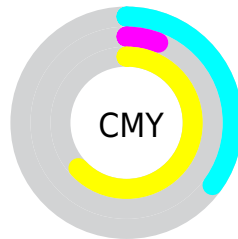
- Red (65%)
- Green (94%)
- Blue (37%)



- Red (37%)
- Yellow (94%)
- Blue (67%)



- Cyan (31%)
- Magenta (0%)
- Yellow (60%)
- Black (6%)




- Cyan (35%)
- Magenta (6%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.1457, 0.3436, 0.5015 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 71.1457, 0.3436, 0.5015 by changing the saturation by 10% instead.

 71.1457, 0.3436,
0.5015


 71.1457, 0.3436,
0.5015


464.5626, 0.3347,
0.4177

 52.4611, 0.3438,
0.5208

 120.8412, 0.3419,
0.4721


 37.3727, 0.3429,
0.5444


 152.6208, 0.3408,
0.4607

 25.4962, 0.3401,
0.5735


 189.5343, 0.3397,
0.4510

 16.4471, 0.3333,
0.6097

 231.9660, 0.3386,
0.4425

 9.8411, 0.3220,
0.6614

280.3002, 0.3376,
0.4351

 5.2937, 0.2897,
0.7103

334.9215, 0.3366,

 2.4206, 0.2295,

0.4286

0.7705

396.2142, 0.3356,
0.4228

0.8365, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

71.1457, 0.3436,
0.5015

71.1457, 0.3436,
0.5015

69.5112, 0.3440,
0.5272

73.0498, 0.3412,
0.4727

68.1206, 0.3423,
0.5483


75.2288, 0.3371,
0.4425

66.9578, 0.3384,
0.5638


77.6993, 0.3319,
0.4122


66.0314, 0.3332,
0.5736

80.4737, 0.3259,
0.3830

 83.5635, 0.3195,
0.3554

 86.9796, 0.3130,
0.3301

 90.2101, 0.3114,
0.3145

 90.8011, 0.3134,
0.3146

Harmonies

Analogous

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



71.1457, 0.4252, 0.4767



71.1457, 0.3436, 0.5015



71.1457, 0.2584, 0.4556

Triad

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



71.1457, 0.3436, 0.5015



71.1457, 0.1632, 0.2115



71.1457, 0.4417, 0.2898

Complementary

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



71.1457, 0.3436, 0.5015



23.0018, 0.2520, 0.1594

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.



71.1457, 0.3506, 0.2375



71.1457, 0.3436, 0.5015



71.1457, 0.1956, 0.1934

Square

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



71.1457, 0.3436, 0.5015



71.1457, 0.1615, 0.2645



71.1457, 0.2598, 0.2035



71.1457, 0.4918, 0.3519

Rectangle

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



71.1457, 0.3436, 0.5015



71.1457, 0.2113, 0.3910



71.1457, 0.2598, 0.2035



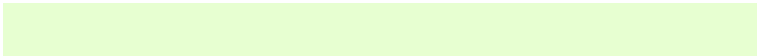
71.1457, 0.4139, 0.2708

Sweetspot

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



71.1488, 0.3436, 0.5015



93.1635, 0.3244, 0.3762



48.0587, 0.4446, 0.4082



19.7286, 0.3262, 0.3845



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.



71.1488, 0.3436, 0.5015



79.2975, 0.3438, 0.5336



65.6207, 0.3026, 0.5219



18.0311, 0.3189, 0.3529



36.2245, 0.3344, 0.5727



3.0725, 0.3444, 0.5647

Inverse Universe

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



23.0018, 0.2520, 0.1594



19.4634, 0.2354, 0.1283



32.8481, 0.3216, 0.1907



15.6305, 0.3061, 0.3052



5.8710, 0.2057, 0.0907



0.5476, 0.2197, 0.0984

Previews

White Background



This preview shows how the Yxy color 71.1457, 0.3436, 0.5015 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 71.1457, 0.3436, 0.5015 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

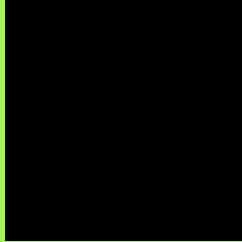
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.1457, 0.3436, 0.5015

Background



This preview shows how black text looks on a background with the Yxy color 71.1457, 0.3436, 0.5015.

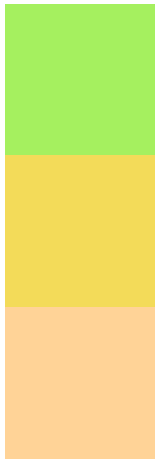


This preview shows how white text looks on a background with the Yxy color 71.1457, 0.3436, 0.5015.

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

71.1457, 0.3436, 0.5015

Protanopia

70.4390, 0.4157, 0.4568

Deuteranopia

70.0829, 0.3910, 0.3908



Tritanopia

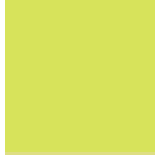
70.7606, 0.2764, 0.3087

Trichromacy



Original Color

71.1457, 0.3436, 0.5015



Protanomaly

70.1406, 0.3879, 0.4741



Deuteranomaly

69.4108, 0.3738, 0.4299



Tritanomaly

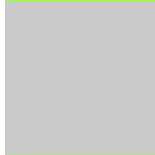
69.7327, 0.3031, 0.3785

Monochromacy



Original Color

71.1457, 0.3436, 0.5015



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

61.9009, 0.3287, 0.3946

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.1457, 0.3436, 0.5015 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(165, 240, 95)` looks like.

```
.text, #text, p{  
    color:rgb(165, 240, 95)  
}
```

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(165, 240, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 240, 95) }
```

Border

The CSS property to change the border of an element to Yxy 71.1457, 0.3436, 0.5015 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(165, 240, 95) }
```

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

```
.border{ border-color:rgb(165, 240, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 240, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 240, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 240, 95);  
box-shadow:4px 4px 4px 4px rgb(165, 240,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 71.1457, 0.3436, 0.5015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 240, 95) }
```

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

```
.background{ background-color: rgb(165,  
240, 95) }
```

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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