

Converting Colors

$Yxy(74.6488, 0.3386, 0.5311)$

Have a look what the booklet for
Yxy(74.6488, 0.3386, 0.5311)
contains.

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Color

Yxy(74.7298, 0.3387, 0.5307)

Conversions

Conversions Part 1

Format	Color
Hex	96F94A
RGB	150, 249, 74
RGB Percent	59%, 98%, 29%
CMY	0.4117, 0.0235, 0.7098
CMYK	0.40, 0.00, 0.70, 0.02
HSL	94°, 94%, 63%
HSV	94°, 70%, 98%
XYZ	47.6936, 74.7298, 18.3903
YIQ	199.4490, -2.8290, -75.4130

Conversions

Conversions Part 2

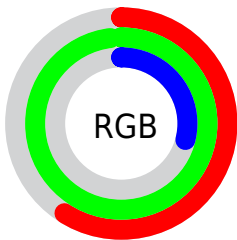
Format	Color
RYB	74, 249, 173
Decimal	9894218
CIELab	89.27, -56.41, 70.94
CIElCh	89, 90.635, 128.491
Yxy	74.7298, 0.3387, 0.5307
Android (android.graphics.Color)	4288084298 (0xFF96F94A)
YUV	199.4490, -61.8464, -43.3668
Hunter-Lab	86.4464, -52.8005, 47.8994

Details

The Yxy color **74.7298, 0.3387, 0.5307** is a light color, and the websafe version is hex **99FF66**. The color can be described as light washed chartreuse. A complement of this color would be **20.6212, 0.2467, 0.1383**, and the grayscale version is **57.7972, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8876, 0.3528, 0.4610**, and **39.8729, 0.3323, 0.5744** is the 20% darker color. If you saturate the color by 10%, you get **73.2041, 0.3365, 0.5526**, and if you desaturate by 10%, it is **76.5553, 0.3388, 0.5041**.

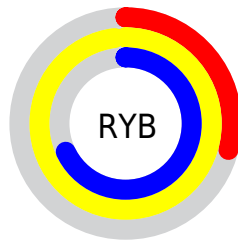
Distribution



Red (59%)

Green (98%)

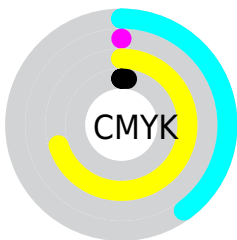
Blue (29%)



Red (29%)

Yellow (98%)

Blue (68%)

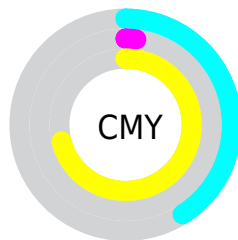


Cyan (40%)

Magenta (0%)

Yellow (70%)

Black (2%)



Cyan (41%)


Magenta (2%)

Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.7298, 0.3387, 0.5307 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 74.7298, 0.3387, 0.5307 by changing the saturation by 10% instead.


 74.7298, 0.3387,
0.5307

 74.7298, 0.3387,
0.5307


476.9883, 0.3345,
0.4334

 55.3916, 0.3371,
0.5526


 125.9298, 0.3392,
0.4969

 39.7153, 0.3338,
0.5789


 158.5604, 0.3388,
0.4837


 27.3166, 0.3273,
0.6108

 196.3905, 0.3382,
0.4724

 17.8112, 0.3152,
0.6491

 239.8046, 0.3375,
0.4625

 10.8145, 0.2970,
0.7030

 289.1870, 0.3368,
0.4539

 5.9422, 0.2545,
0.7455


344.9222, 0.3360,

 2.8100, 0.1879,

0.4462

0.8121


407.3945, 0.3353,
0.4395


 1.0334, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 74.7298, 0.3387,
0.5307

 74.7298, 0.3387,
0.5307


 73.2041, 0.3365,
0.5526


 76.5553, 0.3388,
0.5041


 71.9461, 0.3323,
0.5686

 78.6903, 0.3371,
0.4745


 70.9504, 0.3269,
0.5787


 81.1553, 0.3338,
0.4435

 83.9662, 0.3294,
0.4126

 87.1378, 0.3242,
0.3829

 90.6836, 0.3186,
0.3551

 94.6168, 0.3129,
0.3297

 96.2316, 0.3130,
0.3233

Harmonies

Analogous

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



74.7298, 0.4323, 0.4975



74.7298, 0.3387, 0.5307



74.7298, 0.2435, 0.4747

Triad

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



74.7298, 0.3387, 0.5307



74.7298, 0.1461, 0.1931



74.7298, 0.4667, 0.2859

Complementary

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



74.7298, 0.3387, 0.5307



20.6212, 0.2467, 0.1383

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.



74.7298, 0.3612, 0.2279



74.7298, 0.3387, 0.5307



74.7298, 0.1830, 0.1765

Square

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



74.7298, 0.3387, 0.5307



74.7298, 0.1419, 0.2486



74.7298, 0.2558, 0.1894



74.7298, 0.5200, 0.3539

Rectangle

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



74.7298, 0.3387, 0.5307



74.7298, 0.1923, 0.3947



74.7298, 0.2558, 0.1894



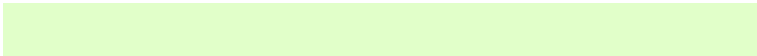
74.7298, 0.4349, 0.2650

Sweetspot

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



74.7330, 0.3387, 0.5307



91.7197, 0.3246, 0.3850



49.4799, 0.4663, 0.4216



19.4271, 0.3261, 0.3931



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.



74.7330, 0.3387, 0.5307



76.7348, 0.3351, 0.5594



69.8288, 0.2996, 0.5469



19.6780, 0.3182, 0.3531



38.0589, 0.3280, 0.5777



3.5863, 0.3373, 0.5704

Inverse Universe

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



20.6212, 0.2467, 0.1383



16.4681, 0.2307, 0.1126



31.3453, 0.3287, 0.1798



17.1274, 0.3068, 0.3051



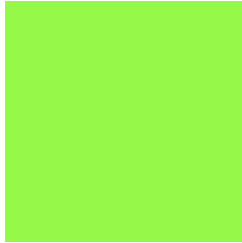
6.7700, 0.2156, 0.0961



0.6897, 0.2276, 0.1027

Previews

White Background



This preview shows how the Yxy color 74.7298, 0.3387, 0.5307 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 74.7298, 0.3387, 0.5307 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

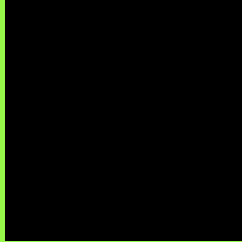
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

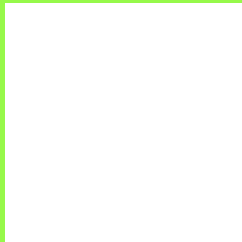
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 74.7298, 0.3387, 0.5307

Background



This preview shows how black text looks on a background with the Yxy color 74.7298, 0.3387, 0.5307.

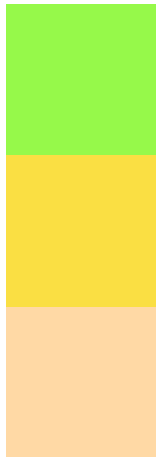


This preview shows how white text looks on a background with the Yxy color 74.7298, 0.3387, 0.5307.

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

74.7298, 0.3387, 0.5307

Protanopia

73.5046, 0.4275, 0.4703

Deuteranopia

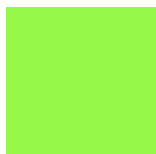
73.6023, 0.3786, 0.3825



Tritanopia

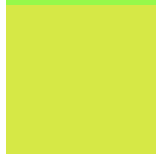
74.4730, 0.2673, 0.3088

Trichromacy



Original Color

74.7298, 0.3387, 0.5307



Protanomaly

72.4516, 0.3928, 0.4933



Deuteranomaly

72.4563, 0.3666, 0.4368



Tritanomaly

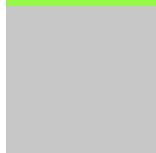
73.5363, 0.2973, 0.3920

Monochromacy



Original Color

74.7298, 0.3387, 0.5307



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

61.7826, 0.3284, 0.4082

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.7298, 0.3387, 0.5307 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(150, 249, 74)` looks like.

```
.text, #text, p{  
    color:rgb(150, 249, 74)  
}
```

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(150, 249, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 249, 74) }
```

Border

The CSS property to change the border of an element to Yxy 74.7298, 0.3387, 0.5307 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(150, 249, 74) }
```

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

```
.border{ border-color:rgb(150, 249, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 249, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 249, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 249, 74);  
box-shadow:4px 4px 4px 4px rgb(150, 249,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 74.7298, 0.3387, 0.5307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 249, 74) }
```

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

```
.background{ background-color: rgb(150,  
249, 74) }
```

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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