

Converting Colors

Yxy(74.4014, 0.3212, 0.4945)

Have a look what the booklet for
Yxy(74.4014, 0.3212, 0.4945)
contains.

Yxy(74.3695, 0.3211, 0.4945)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(74.3695, 0.3211, 0.4945)

Conversions

Conversions Part 1

Format	Color
Hex	91F872
RGB	145, 248, 114
RGB Percent	57%, 97%, 45%
CMY	0.4311, 0.0275, 0.5529
CMYK	0.42, 0.00, 0.54, 0.03
HSL	106°, 91%, 71%
HSV	106°, 54%, 97%
XYZ	48.2913, 74.3695, 27.7325
YIQ	201.9270, -18.3740, -63.5100

Conversions

Conversions Part 2

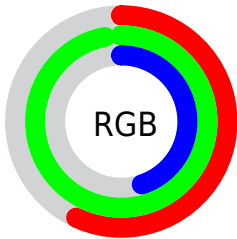
Format	Color
RYB	114, 248, 217
Decimal	9566322
CIELab	89.10, -54.03, 54.42
CIElCh	89, 76.688, 134.790
Yxy	74.3695, 0.3211, 0.4945
Android (android.graphics.Color)	4287756402 (0xFF91F872)
YUV	201.9270, -43.3480, -49.9250
Hunter-Lab	86.2378, -50.9599, 41.2998

Details

The Yxy color **74.3695, 0.3211, 0.4945** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **33.5576, 0.2902, 0.1889**, and the grayscale version is **59.3110, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2219, 0.3295, 0.4237**, and **39.5663, 0.3166, 0.5381** is the 20% darker color. If you saturate the color by 10%, you get **72.2933, 0.3201, 0.5261**, and if you desaturate by 10%, it is **76.8954, 0.3210, 0.4610**.

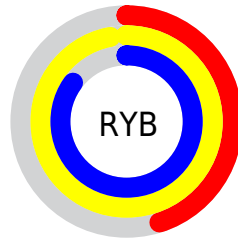
Distribution



Red (57%)

Green (97%)

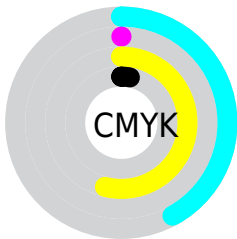
Blue (45%)



Red (45%)

Yellow (97%)

Blue (85%)

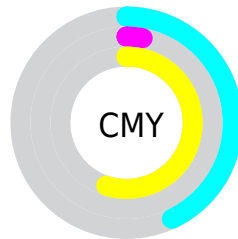


Cyan (42%)

Magenta (0%)

Yellow (54%)

Black (3%)



Cyan (43%)


Magenta (3%)


Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 74.3695, 0.3211, 0.4945 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 74.3695, 0.3211, 0.4945 by changing the saturation by 10% instead.


 74.3695, 0.3211,
0.4945

 74.3695, 0.3211,
0.4945


475.7477, 0.3218,
0.4132

 55.0965, 0.3195,
0.5137


 125.4195, 0.3224,
0.4657

 39.4790, 0.3168,
0.5375


 157.9652, 0.3226,
0.4546

 27.1326, 0.3120,
0.5677


 195.7040, 0.3227,
0.4452

 17.6728, 0.3034,
0.6064

239.0203, 0.3226,
0.4370

 10.7153, 0.2877,
0.6567

288.2984, 0.3224,
0.4299

 5.8758, 0.2635,
0.7365


343.9227, 0.3222,

 2.7697, 0.1996,


0.4237


0.8004


406.2777, 0.3220,
0.4181


 1.0127, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000

 74.3695, 0.3211,
0.4945


 74.3695, 0.3211,
0.4945


 72.2933, 0.3201,
0.5261

 76.8954, 0.3210,
0.4610


 70.6300, 0.3179,
0.5535


 79.8862, 0.3200,
0.4274

 69.3526, 0.3146,
0.5747


 83.3678, 0.3183,
0.3954

 68.4256, 0.3104,
0.5885

 87.3616, 0.3161,
0.3658

 68.0154, 0.3080,
0.5937

 91.8875, 0.3137,
0.3390

 95.6114, 0.3130,
0.3223

Harmonies

Analogous

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



74.3695, 0.4047, 0.4861



74.3695, 0.3211, 0.4945



74.3695, 0.2398, 0.4307

Triad

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



74.3695, 0.3211, 0.4945



74.3695, 0.1703, 0.2053



74.3695, 0.4580, 0.3058

Complementary

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



74.3695, 0.3211, 0.4945



33.5576, 0.2902, 0.1889

Split Complementary

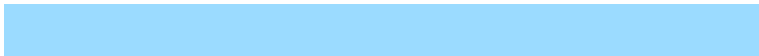
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.3695, 0.3751, 0.2506



74.3695, 0.3211, 0.4945



74.3695, 0.2105, 0.1951

Square

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



74.3695, 0.3211, 0.4945



74.3695, 0.1607, 0.2482



74.3695, 0.2819, 0.2116



74.3695, 0.4925, 0.3687

Rectangle

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



74.3695, 0.3211, 0.4945



74.3695, 0.1982, 0.3631



74.3695, 0.2819, 0.2116



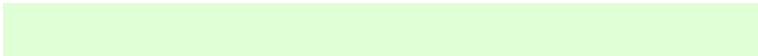
74.3695, 0.4342, 0.2862

Sweetspot

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



74.3727, 0.3211, 0.4945



92.1778, 0.3166, 0.3715



70.6587, 0.4074, 0.4329



19.5373, 0.3170, 0.3775



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.



74.3727, 0.3211, 0.4945



76.8090, 0.3199, 0.5293



72.9035, 0.2887, 0.4577



19.5033, 0.3151, 0.3533



36.7959, 0.3088, 0.5930



3.4537, 0.3166, 0.5868

Inverse Universe

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



33.5576, 0.2902, 0.1889



29.0941, 0.2835, 0.1646



36.7604, 0.3541, 0.2298



17.3099, 0.3101, 0.3054



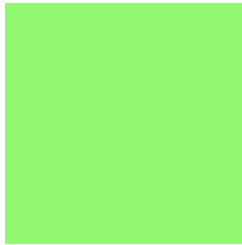
9.6774, 0.2628, 0.1221



0.9438, 0.2700, 0.1261

Previews

White Background



This preview shows how the Yxy color 74.3695, 0.3211, 0.4945 looks on a white background.

Color Contrast Check

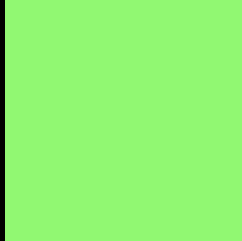
Large Text (above 18pt) WCAG AA × Fail

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 74.3695, 0.3211, 0.4945 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

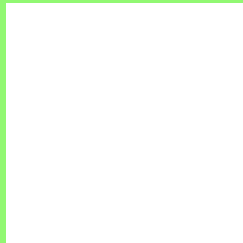
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 74.3695, 0.3211, 0.4945

Background



This preview shows how black text looks on a background with the Yxy color 74.3695, 0.3211, 0.4945.



This preview shows how white text looks on a background with the Yxy color 74.3695, 0.3211, 0.4945.

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

74.3695, 0.3211, 0.4945

Protanopia

73.4088, 0.4068, 0.4458

Deuteranopia

73.1989, 0.3768, 0.3785



Tritanopia

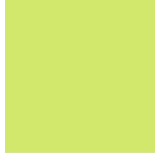
73.8521, 0.2635, 0.3075

Trichromacy



Original Color

74.3695, 0.3211, 0.4945



Protanomaly

72.3727, 0.3720, 0.4649



Deuteranomaly

72.0720, 0.3555, 0.4193



Tritanomaly

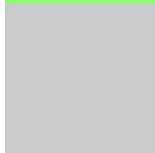
72.9904, 0.2855, 0.3725

Monochromacy



Original Color

74.3695, 0.3211, 0.4945



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

63.3891, 0.3177, 0.3899

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.3695, 0.3211, 0.4945 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(145, 248, 114)` looks like.

```
.text, #text, p{  
    color:rgb(145, 248, 114)  
}
```

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(145, 248, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 248, 114) }
```

Border

The CSS property to change the border of an element to Yxy 74.3695, 0.3211, 0.4945 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(145, 248, 114) }
```

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

```
.border{ border-color:rgb(145, 248, 114) }
```

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

Here you see how a box with a 4 pixel rgb(145, 248, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 248, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 248, 114);  
box-shadow:4px 4px 4px 4px rgb(145, 248,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 74.3695, 0.3211, 0.4945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 248, 114) }
```

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

```
.background{ background-color: rgb(145,  
248, 114) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor