

Converting Colors

Yxy(75.6389, 0.3135, 0.4606)

Have a look what the booklet for
Yxy(75.6389, 0.3135, 0.4606)
contains.

Yxy(75.8302, 0.3132, 0.4611)	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(75.8302, 0.3132, 0.4611)

Conversions

Conversions Part 1

Format	Color
Hex	99F88D
RGB	153, 248, 141
RGB Percent	60%, 97%, 55%
CMY	0.4001, 0.0274, 0.4471
CMYK	0.38, 0.00, 0.43, 0.03
HSL	113°, 88%, 76%
HSV	113°, 43%, 97%
XYZ	51.5073, 75.8302, 37.1175
YIQ	207.3970, -22.2730, -53.4170

Conversions

Conversions Part 2

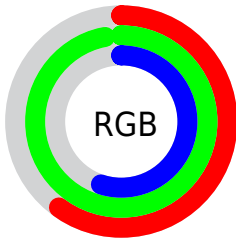
Format	Color
RYB	141, 248, 236
Decimal	10090637
CIELab	89.78, -48.31, 42.67
CIELCh	90, 64.452, 138.547
Yxy	75.8302, 0.3132, 0.4611
Android (android.graphics.Color)	4288280717 (0xFF99F88D)
YUV	207.3970, -32.7337, -47.7062
Hunter-Lab	87.0805, -46.8099, 35.6844

Details

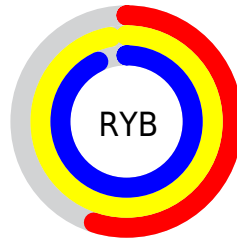
The Yxy color **75.8302, 0.3132, 0.4611** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **43.6640, 0.3073, 0.2197**, and the grayscale version is **62.8895, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3544, 0.3189, 0.3926**, and **40.4697, 0.3093, 0.4956** is the 20% darker color. If you saturate the color by 10%, you get **73.2274, 0.3122, 0.4961**, and if you desaturate by 10%, it is **79.0002, 0.3137, 0.4264**.

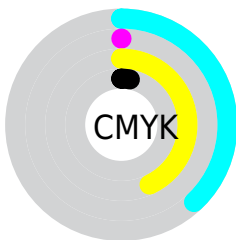
Distribution



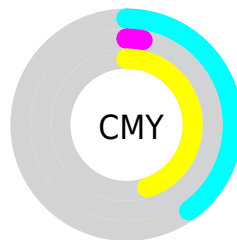
- Red (60%)
- Green (97%)
- Blue (55%)



- Red (55%)
- Yellow (97%)
- Blue (93%)



- Cyan (38%)
- Magenta (0%)
- Yellow (43%)
- Black (3%)




- Cyan (40%)
- Magenta (3%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.8302, 0.3132, 0.4611 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 75.8302, 0.3132, 0.4611 by changing the saturation by 10% instead.


 75.8302, 0.3132,
0.4611

 75.8302, 0.3132,
0.4611


480.7662, 0.3157,
0.3965

 56.2933, 0.3118,
0.4765


 127.4869, 0.3147,
0.4381

 40.4381, 0.3097,
0.4959


 160.3754, 0.3151,
0.4293

 27.8803, 0.3062,
0.5207


198.4832, 0.3154,
0.4218

 18.2354, 0.3003,
0.5534

242.1948, 0.3155,
0.4153

 11.1192, 0.2900,
0.5979

291.8945, 0.3156,
0.4097

 6.1470, 0.2715,
0.6631

347.9667, 0.3157,

 2.9347, 0.2354,

0.4047

0.7646


410.7958, 0.3157,
0.4004


 1.0977, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.8302, 0.3132,
0.4611


 75.8302, 0.3132,
0.4611


 73.2274, 0.3122,
0.4961


 79.0002, 0.3137,
0.4264


 71.1493, 0.3107,
0.5292

 82.7580, 0.3137,
0.3936


 69.5626, 0.3087,
0.5578

 87.1350, 0.3134,
0.3636

 68.4261, 0.3063,
0.5796

 92.1574, 0.3129,
0.3368

 67.6917, 0.3037,
0.5932

 95.6210, 0.3130,
0.3223

 67.3845, 0.3022,
0.5982

Harmonies

Analogous

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



75.8302, 0.3854, 0.4655



75.8302, 0.3132, 0.4611



75.8302, 0.2447, 0.4027

Triad

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



75.8302, 0.3132, 0.4611



75.8302, 0.1926, 0.2208



75.8302, 0.4404, 0.3177

Complementary

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



75.8302, 0.3132, 0.4611



43.6640, 0.3073, 0.2197

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.



75.8302, 0.3753, 0.2676



75.8302, 0.3132, 0.4611



75.8302, 0.2320, 0.2139

Square

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



75.8302, 0.3132, 0.4611



75.8302, 0.1810, 0.2557



75.8302, 0.2968, 0.2309



75.8302, 0.4646, 0.3737

Rectangle

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



75.8302, 0.3132, 0.4611



75.8302, 0.2105, 0.3479



75.8302, 0.2968, 0.2309



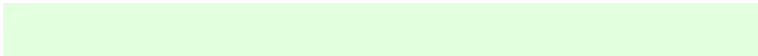
75.8302, 0.4222, 0.3000

Sweetspot

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



75.8334, 0.3132, 0.4611



92.8837, 0.3134, 0.3632



81.5988, 0.3821, 0.4249



19.6474, 0.3135, 0.3695



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

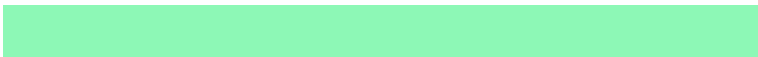
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.8334, 0.3132, 0.4611



78.2739, 0.3124, 0.4924



76.1812, 0.2859, 0.4110



19.4022, 0.3133, 0.3534



36.4270, 0.3027, 0.5978



3.4031, 0.3079, 0.5937

Inverse Universe

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



43.6640, 0.3073, 0.2197



39.7905, 0.3054, 0.1990



43.5104, 0.3557, 0.2601



17.4201, 0.3120, 0.3055



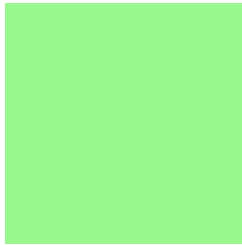
11.9398, 0.2928, 0.1387



1.1331, 0.2964, 0.1406

Previews

White Background



This preview shows how the Yxy color 75.8302, 0.3132, 0.4611 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 75.8302, 0.3132, 0.4611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

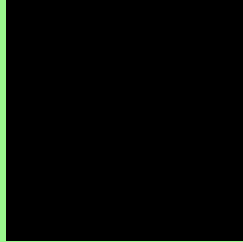
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.8302, 0.3132, 0.4611

Background



This preview shows how black text looks on a background with the Yxy color 75.8302, 0.3132, 0.4611.



This preview shows how white text looks on a background with the Yxy color 75.8302, 0.3132, 0.4611.

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

75.8302, 0.3132, 0.4611

Protanopia

75.1092, 0.3906, 0.4246

Deuteranopia

74.6575, 0.3681, 0.3692



Tritanopia

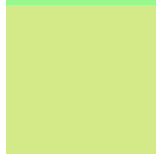
75.5711, 0.2649, 0.3078

Trichromacy



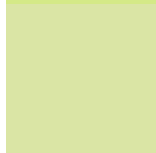
Original Color

75.8302, 0.3132, 0.4611



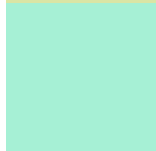
Protanomaly

74.0241, 0.3596, 0.4388



Deuteranomaly

73.6607, 0.3466, 0.4007



Tritanomaly

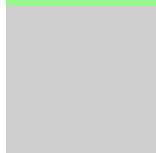
75.2313, 0.2825, 0.3608

Monochromacy



Original Color

75.8302, 0.3132, 0.4611



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

66.2262, 0.3133, 0.3761

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.8302, 0.3132, 0.4611 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(153, 248, 141)` looks like.

```
.text, #text, p{  
    color:rgb(153, 248, 141)  
}
```

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(153, 248, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 248, 141) }
```

Border

The CSS property to change the border of an element to Yxy 75.8302, 0.3132, 0.4611 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(153, 248, 141) }
```

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

```
.border{ border-color:rgb(153, 248, 141) }
```

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

Here you see how a box with a 4 pixel rgb(153, 248, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 248, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 248, 141);  
box-shadow:4px 4px 4px 4px rgb(153, 248,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 75.8302, 0.3132, 0.4611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 248, 141) }
```

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

```
.background{ background-color: rgb(153,  
248, 141) }
```

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