

Converting Colors

Yxy(73.3086, 0.3197, 0.4691)

Have a look what the booklet for
Yxy(73.3086, 0.3197, 0.4691)
contains.

| | |
|---|----|
| Yxy(73.3086, 0.3197, 0.4691) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(73.3086, 0.3197, 0.4691)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 9BF483 |
| RGB | 155, 244, 131 |
| RGB Percent | 61%, 96%, 51% |
| CMY | 0.3923, 0.0431, 0.4861 |
| CMYK | 0.36, 0.00, 0.46, 0.04 |
| HSL | 107°, 84%, 74% |
| HSV | 107°, 46%, 96% |
| XYZ | 49.9611, 73.3086, 33.0053 |
| YIQ | 204.5070, -16.7710, -54.0110 |

Conversions

Conversions Part 2

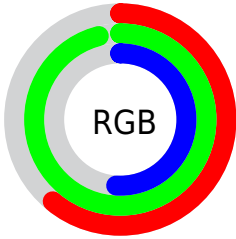
| Format | Color |
|-------------------------------------|--|
| RYB | 131, 244, 220 |
| Decimal | 10220675 |
| CIELab | 88.59, -47.32, 45.99 |
| CIElCh | 89, 65.981, 135.817 |
| Yxy | 73.3086, 0.3197, 0.4691 |
| Android (android.graphics.Color) | 4288410755 (0xFF9BF483) |
| YUV | 204.5070, -36.2390, -43.4176 |
| Hunter-Lab | 85.6204, -45.6777, 37.0790 |

Details

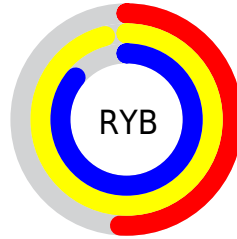
The Yxy color **73.3086, 0.3197, 0.4691** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **38.0091, 0.2965, 0.2087**, and the grayscale version is **60.9614, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.2113, 0.3259, 0.4034**, and **38.7578, 0.3173, 0.5054** is the 20% darker color. If you saturate the color by 10%, you get **70.9724, 0.3194, 0.5026**, and if you desaturate by 10%, it is **76.1100, 0.3191, 0.4352**.

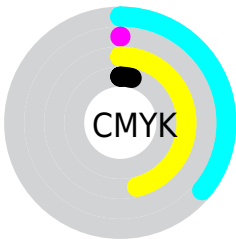
Distribution



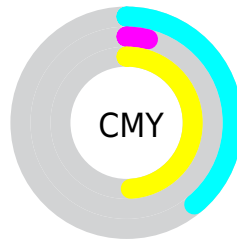
- Red (61%)
- Green (96%)
- Blue (51%)



- Red (51%)
- Yellow (96%)
- Blue (86%)



- Cyan (36%)
- Magenta (0%)
- Yellow (46%)
- Black (4%)




- Cyan (39%)
- Magenta (4%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.3086, 0.3197, 0.4691 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 73.3086, 0.3197, 0.4691 by changing the saturation by 10% instead.


 73.3086, 0.3197,
0.4691


 73.3086, 0.3197,
0.4691


472.0837, 0.3196,
0.4003

 54.2283, 0.3187,
0.4855


 123.9152, 0.3204,
0.4446

 38.7842, 0.3170,
0.5061


 156.2103, 0.3205,
0.4352

 26.5919, 0.3139,
0.5324


 193.6792, 0.3204,
0.4272

 17.2670, 0.3082,
0.5669

236.7063, 0.3203,
0.4204

 10.4250, 0.2973,
0.6134

285.6758, 0.3202,
0.4144

 5.6817, 0.2812,
0.6906

340.9723, 0.3200,

 2.6525, 0.2321,

0.4091

0.7679

402.9801, 0.3198,
0.4044

■ 0.9531, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 73.3086, 0.3197,
0.4691

■ 73.3086, 0.3197,
0.4691

■ 70.9724, 0.3194,
0.5026

■ 76.1100, 0.3191,
0.4352

■ 69.0667, 0.3180,
0.5337

■ 79.3906, 0.3179,
0.4026

■ 67.5664, 0.3155,
0.5600


■ 83.1754, 0.3161,
0.3723


■ 66.4399, 0.3121,
0.5796

■ 87.4846, 0.3141,
0.3448

 65.6502, 0.3081,
0.5916

 92.3377, 0.3119,
0.3203

 65.4282, 0.3068,
0.5946

 93.1875, 0.3132,
0.3185

Harmonies

Analogous

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



73.3086, 0.3936, 0.4679



73.3086, 0.3197, 0.4691



73.3086, 0.2480, 0.4129

Triad

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



73.3086, 0.3197, 0.4691



73.3086, 0.1868, 0.2193



73.3086, 0.4402, 0.3119

Complementary

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



73.3086, 0.3197, 0.4691



38.0091, 0.2965, 0.2087

Split Complementary

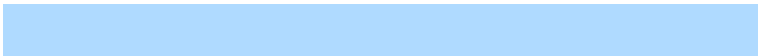
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.3086, 0.3701, 0.2615



73.3086, 0.3197, 0.4691



73.3086, 0.2245, 0.2101

Square

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



73.3086, 0.3197, 0.4691



73.3086, 0.1775, 0.2578



73.3086, 0.2892, 0.2255



73.3086, 0.4695, 0.3691

Rectangle

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



73.3086, 0.3197, 0.4691



73.3086, 0.2112, 0.3562



73.3086, 0.2892, 0.2255



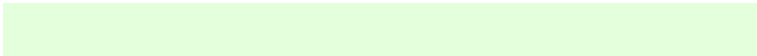
73.3086, 0.4202, 0.2940

Sweetspot

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



73.3117, 0.3197, 0.4691



92.9578, 0.3157, 0.3658



71.8175, 0.3922, 0.4211



19.6867, 0.3161, 0.3720



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.



73.3117, 0.3197, 0.4691



78.4827, 0.3194, 0.5021



72.1828, 0.2902, 0.4333



18.6410, 0.3148, 0.3532



35.6202, 0.3075, 0.5940



3.1732, 0.3155, 0.5877

Inverse Universe

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



38.0091, 0.2965, 0.2087



34.8241, 0.2916, 0.1851



40.2340, 0.3483, 0.2445



16.5809, 0.3104, 0.3054



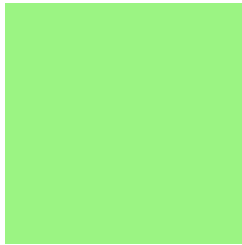
9.7316, 0.2678, 0.1249



0.8985, 0.2748, 0.1287

Previews

White Background



This preview shows how the Yxy color 73.3086, 0.3197, 0.4691 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 73.3086, 0.3197, 0.4691 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

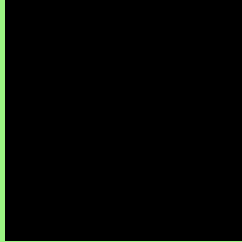
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.3086, 0.3197, 0.4691

Background



This preview shows how black text looks on a background with the Yxy color 73.3086, 0.3197, 0.4691.

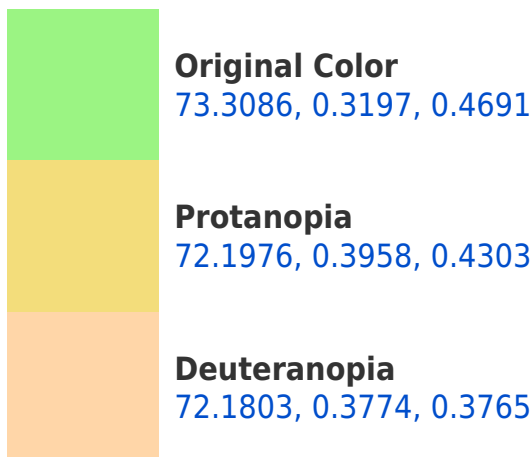


This preview shows how white text looks on a background with the Yxy color 73.3086, 0.3197, 0.4691.

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





Tritanopia

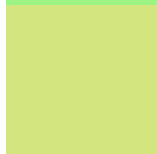
73.2215, 0.2680, 0.3087

Trichromacy



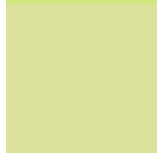
Original Color

73.3086, 0.3197, 0.4691



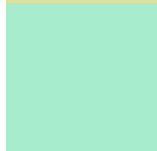
Protanomaly

71.3939, 0.3655, 0.4449



Deuteranomaly

71.2771, 0.3549, 0.4077



Tritanomaly

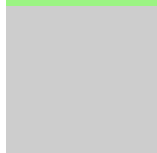
72.7720, 0.2872, 0.3648

Monochromacy



Original Color

73.3086, 0.3197, 0.4691



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

64.4422, 0.3168, 0.3790

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.3086, 0.3197, 0.4691 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(155, 244, 131)` looks like.

```
.text, #text, p{  
    color:rgb(155, 244, 131)  
}
```

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(155, 244, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 244, 131) }
```

Border

The CSS property to change the border of an element to Yxy 73.3086, 0.3197, 0.4691 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(155, 244, 131) }
```

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

```
.border{ border-color:rgb(155, 244, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 244, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 244, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 244, 131);  
box-shadow:4px 4px 4px 4px rgb(155, 244,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 73.3086, 0.3197, 0.4691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 244, 131) }
```

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

```
.background{ background-color: rgb(155,  
244, 131) }
```

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