

Converting Colors

$Yxy(91.0845, 0.3674, 0.4478)$

Have a look what the booklet for
Yxy(91.0845, 0.3674, 0.4478)
contains.

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Color

Yxy(91.0171, 0.3670, 0.4477)

Conversions

Conversions Part 1

Format	Color
Hex	EBFF8A
RGB	235, 255, 138
RGB Percent	92%, 100%, 54%
CMY	0.0784, 0.0000, 0.4589
CMYK	0.08, 0.00, 0.46, 0.00
HSL	70°, 100%, 77%
HSV	70°, 46%, 100%
XYZ	74.6108, 91.0171, 37.6714
YIQ	235.6820, 25.6370, -40.6270

Conversions

Conversions Part 2

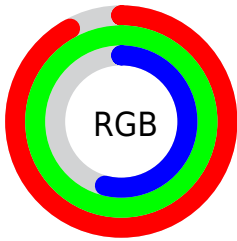
Format	Color
RYB	138, 255, 158
Decimal	15466378
CIELab	96.42, -23.32, 53.42
CIELCh	96, 58.286, 113.583
Yxy	91.0171, 0.3670, 0.4477
Android (android.graphics.Color)	4293656458 (0xFFE8FF8A)
YUV	235.6820, -48.1572, -0.5981
Hunter-Lab	95.4029, -27.3572, 43.3704

Details

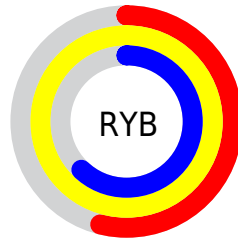
The Yxy color **91.0171, 0.3670, 0.4477** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **32.6565, 0.2388, 0.1892**, and the grayscale version is **83.9866, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.6303, 0.3496, 0.3900**, and **50.3912, 0.3750, 0.4728** is the 20% darker color. If you saturate the color by 10%, you get **89.6331, 0.3762, 0.4713**, and if you desaturate by 10%, it is **92.5968, 0.3562, 0.4221**.

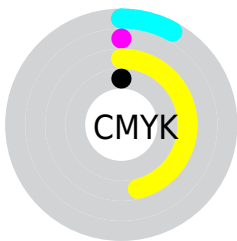
Distribution



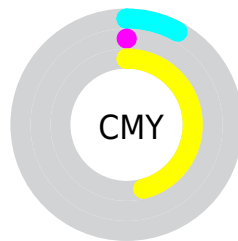
- Red (92%)
- Green (100%)
- Blue (54%)



- Red (54%)
- Yellow (100%)
- Blue (62%)



- Cyan (8%)
- Magenta (0%)
- Yellow (46%)
- Black (0%)





- Cyan (8%)
- Magenta (0%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 91.0171, 0.3670, 0.4477 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 91.0171, 0.3670, 0.4477 by changing the saturation by 10% instead.


 91.0171, 0.3670,
0.4477


 91.0171, 0.3670,
0.4477

531.3339, 0.3453,
0.3940

 68.8245, 0.3710,
0.4593


 148.7504, 0.3602,
0.4295

 50.5688, 0.3754,
0.4733


 185.0599, 0.3574,
0.4223

 35.8656, 0.3801,
0.4902


 226.8438, 0.3548,
0.4161

 24.3304, 0.3848,
0.5110

274.4866, 0.3525,
0.4106

 15.5789, 0.3886,
0.5367

328.3726, 0.3504,
0.4057

 9.2267, 0.3903,
0.5693

388.8862, 0.3486,

 4.8893, 0.3870,

0.4014

0.6130

456.4119, 0.3469,
0.3975

■ 2.1825, 0.3547,
0.6453

■ 0.7104, 0.1298,
0.8702

■ 91.0171, 0.3670,
0.4477

■ 91.0171, 0.3670,
0.4477

■ 89.6331, 0.3762,
0.4713

■ 92.5968, 0.3562,
0.4221

■ 88.4260, 0.3834,
0.4918

■ 94.3772, 0.3444,
0.3956

■ 87.3840, 0.3881,
0.5082

■ 96.3707, 0.3321,
0.3692

■ 86.4905, 0.3901,
0.5201

■ 98.5868, 0.3198,
0.3435

■ 85.7253, 0.3896,
0.5273

100.0000, 0.3127,
0.3290

■ 85.4357, 0.3889,
0.5294

Harmonies

Analogous

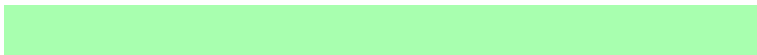
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.0171, 0.4184, 0.4229



91.0171, 0.3670, 0.4477



91.0171, 0.3040, 0.4340

Triad

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



91.0171, 0.3670, 0.4477



91.0171, 0.1978, 0.2599



91.0171, 0.3772, 0.2828

Complementary

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



91.0171, 0.3670, 0.4477



32.6565, 0.2388, 0.1892

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.



91.0171, 0.3107, 0.2477



91.0171, 0.3670, 0.4477



91.0171, 0.2123, 0.2326

Square

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



91.0171, 0.3670, 0.4477



91.0171, 0.2092, 0.3125



91.0171, 0.2513, 0.2297



91.0171, 0.4276, 0.3287

Rectangle

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



91.0171, 0.3670, 0.4477



91.0171, 0.2640, 0.4013



91.0171, 0.2513, 0.2297



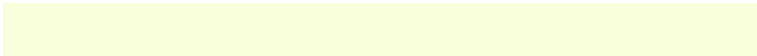
91.0171, 0.3555, 0.2696

Sweetspot

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



91.0192, 0.3670, 0.4477



96.7723, 0.3298, 0.3642



47.3720, 0.4279, 0.3497



20.6153, 0.3325, 0.3699



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

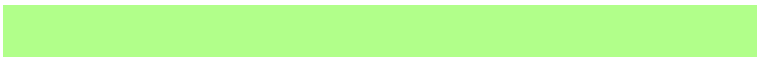
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.0192, 0.3670, 0.4477



89.7491, 0.3755, 0.4693



82.6999, 0.3283, 0.4644



20.9246, 0.3243, 0.3527



44.6997, 0.3894, 0.5290



4.3918, 0.3930, 0.5262

Inverse Universe

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



32.6565, 0.2388, 0.1892



24.8878, 0.2210, 0.1583



39.9889, 0.2846, 0.2052



17.5268, 0.3005, 0.3046



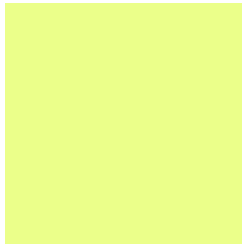
4.0904, 0.1574, 0.0641



0.4377, 0.1665, 0.0691

Previews

White Background



This preview shows how the Yxy color 91.0171, 0.3670, 0.4477 looks on a white background.

Color Contrast Check

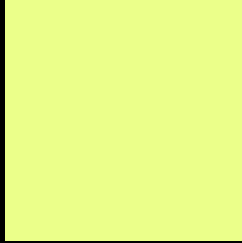
Large Text (above 18pt) WCAG AA × Fail

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 91.0171, 0.3670, 0.4477 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 91.0171, 0.3670, 0.4477

Background



This preview shows how black text looks on a background with the Yxy color 91.0171, 0.3670, 0.4477.

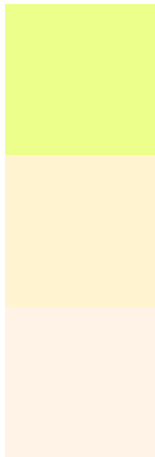


This preview shows how white text looks on a background with the Yxy color 91.0171, 0.3670, 0.4477.

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

91.0171, 0.3670, 0.4477

Protanopia

90.4664, 0.3431, 0.3658

Deuteranopia

90.4774, 0.3287, 0.3408



Tritanopia

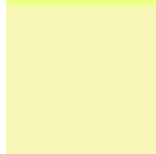
90.6807, 0.3088, 0.3164

Trichromacy



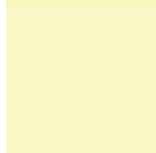
Original Color

91.0171, 0.3670, 0.4477



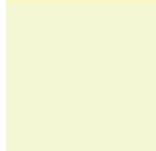
Protanomaly

90.4687, 0.3530, 0.3957



Deuteranomaly

90.5092, 0.3440, 0.3794



Tritanomaly

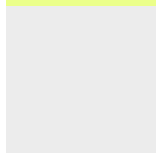
90.3297, 0.3313, 0.3645

Monochromacy



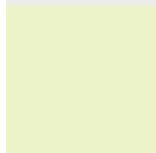
Original Color

91.0171, 0.3670, 0.4477



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

86.1042, 0.3345, 0.3738

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.0171, 0.3670, 0.4477 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(235, 255, 138)` looks like.

```
.text, #text, p{  
    color:rgb(235, 255, 138)  
}
```

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(235, 255, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 255, 138) }
```

Border

The CSS property to change the border of an element to Yxy 91.0171, 0.3670, 0.4477 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(235, 255, 138) }
```

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

```
.border{ border-color:rgb(235, 255, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 255, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 255, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 255, 138);  
box-shadow:4px 4px 4px 4px rgb(235, 255,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 91.0171, 0.3670, 0.4477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 255, 138) }
```

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

```
.background{ background-color: rgb(235,  
255, 138) }
```

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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