

Converting Colors

$Yxy(70.1261, 0.3188, 0.4840)$

Have a look what the booklet for
Yxy(70.1261, 0.3188, 0.4840)
contains.

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Color

Yxy(70.0821, 0.3186, 0.4842)

Conversions

Conversions Part 1

Format	Color
Hex	8FF177
RGB	143, 241, 119
RGB Percent	56%, 95%, 47%
CMY	0.4392, 0.0549, 0.5334
CMYK	0.41, 0.00, 0.51, 0.05
HSL	108°, 81%, 71%
HSV	108°, 51%, 95%
XYZ	46.1135, 70.0821, 28.5423
YIQ	197.7900, -19.2460, -58.7180

Conversions

Conversions Part 2

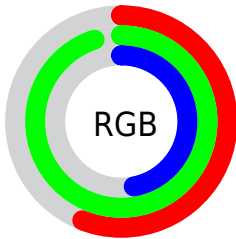
Format	Color
RYB	119, 241, 217
Decimal	9433463
CIELab	87.04, -51.24, 49.65
CIElCh	87, 71.349, 135.902
Yxy	70.0821, 0.3186, 0.4842
Android (android.graphics.Color)	4287623543 (0xFF8FF177)
YUV	197.7900, -38.8435, -48.0508
Hunter-Lab	83.7151, -48.1766, 38.3858

Details

The Yxy color **70.0821, 0.3186, 0.4842** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **34.2871, 0.2961, 0.1988**, and the grayscale version is **56.5891, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.9546, 0.3254, 0.4198**, and **36.6056, 0.3145, 0.5264** is the 20% darker color. If you saturate the color by 10%, you get **67.9966, 0.3177, 0.5171**, and if you desaturate by 10%, it is **72.6183, 0.3186, 0.4501**.

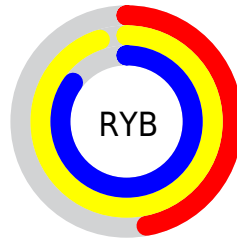
Distribution



Red (56%)

Green (95%)

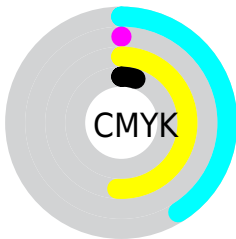
Blue (47%)



Red (47%)

Yellow (95%)

Blue (85%)

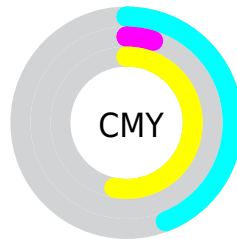


Cyan (41%)

Magenta (0%)

Yellow (51%)

Black (5%)



Cyan (44%)


Magenta (5%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.0821, 0.3186, 0.4842 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 70.0821, 0.3186, 0.4842 by changing the saturation by 10% instead.


 70.0821, 0.3186,
0.4842

 70.0821, 0.3186,
0.4842


460.8382, 0.3198,
0.4072

 51.5935, 0.3171,
0.5027


 119.3258, 0.3200,
0.4566

 36.6811, 0.3145,
0.5259


 150.8497, 0.3202,
0.4461

 24.9607, 0.3099,
0.5556


 187.4875, 0.3203,
0.4372

 16.0478, 0.3018,
0.5944

229.6235, 0.3203,
0.4295

 9.5580, 0.2868,
0.6461

277.6422, 0.3202,
0.4228

 5.1069, 0.2649,
0.7351


331.9280, 0.3201,


 2.3101, 0.1900,


0.4169


0.8100


392.8652, 0.3200,
0.4118


 0.7791, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 70.0821, 0.3186,
0.4842


 70.0821, 0.3186,
0.4842


 67.9966, 0.3177,
0.5171


 72.6183, 0.3186,
0.4501


 66.3263, 0.3158,
0.5465

 75.6206, 0.3178,
0.4166

 65.0445, 0.3130,
0.5702

 79.1146, 0.3164,
0.3852

 64.1173, 0.3094,
0.5865

 83.1212, 0.3147,
0.3563

 63.5282, 0.3059,
0.5953

 87.6603, 0.3128,
0.3305

 91.3927, 0.3133,
0.3156

Harmonies

Analogous

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



70.0821, 0.3988, 0.4803



70.0821, 0.3186, 0.4842



70.0821, 0.2411, 0.4217

Triad

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



70.0821, 0.3186, 0.4842



70.0821, 0.1770, 0.2099



70.0821, 0.4528, 0.3096

Complementary

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



70.0821, 0.3186, 0.4842



34.2871, 0.2961, 0.1988

Split Complementary

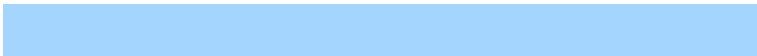
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.0821, 0.3755, 0.2559



70.0821, 0.3186, 0.4842



70.0821, 0.2171, 0.2007

Square

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



70.0821, 0.3186, 0.4842



70.0821, 0.1667, 0.2503



70.0821, 0.2867, 0.2174



70.0821, 0.4840, 0.3706

Rectangle

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



70.0821, 0.3186, 0.4842



70.0821, 0.2018, 0.3580



70.0821, 0.2867, 0.2174



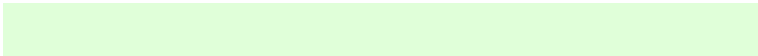
70.0821, 0.4308, 0.2905

Sweetspot

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



70.0851, 0.3186, 0.4842



92.4095, 0.3155, 0.3687



69.4520, 0.3989, 0.4308



19.5746, 0.3159, 0.3748



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.



70.0851, 0.3186, 0.4842



77.1823, 0.3176, 0.5188



69.2196, 0.2877, 0.4423



17.8062, 0.3145, 0.3532



34.4930, 0.3067, 0.5947



2.9095, 0.3149, 0.5882

Inverse Universe

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



34.2871, 0.2961, 0.1988



32.1344, 0.2910, 0.1751



36.2691, 0.3549, 0.2392



15.8650, 0.3106, 0.3055



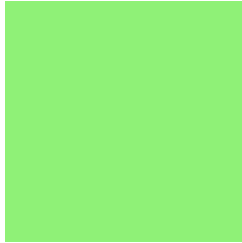
9.6875, 0.2715, 0.1269



0.8455, 0.2784, 0.1307

Previews

White Background



This preview shows how the Yxy color 70.0821, 0.3186, 0.4842 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 70.0821, 0.3186, 0.4842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

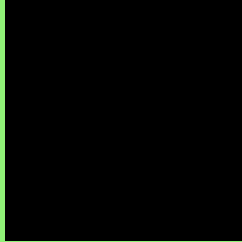
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.0821, 0.3186, 0.4842

Background



This preview shows how black text looks on a background with the Yxy color 70.0821, 0.3186, 0.4842.



This preview shows how white text looks on a background with the Yxy color 70.0821, 0.3186, 0.4842.

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

70.0821, 0.3186, 0.4842

Protanopia

69.1241, 0.4019, 0.4390

Deuteranopia

69.0629, 0.3926, 0.3899



Tritanopia

69.6377, 0.2641, 0.3081

Trichromacy



Original Color

70.0821, 0.3186, 0.4842



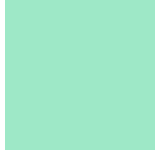
Protanomaly

68.4450, 0.3680, 0.4569



Deuteranomaly

67.8731, 0.3627, 0.4227



Tritanomaly

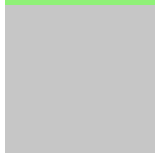
69.1058, 0.2849, 0.3697

Monochromacy



Original Color

70.0821, 0.3186, 0.4842



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

60.4227, 0.3166, 0.3859

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.0821, 0.3186, 0.4842 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(143, 241, 119)` looks like.

```
.text, #text, p{  
    color:rgb(143, 241, 119)  
}
```

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(143, 241, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 241, 119) }
```

Border

The CSS property to change the border of an element to Yxy 70.0821, 0.3186, 0.4842 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(143, 241, 119) }
```

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

```
.border{ border-color:rgb(143, 241, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 241, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 241, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 241, 119);  
box-shadow:4px 4px 4px 4px rgb(143, 241,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 70.0821, 0.3186, 0.4842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 241, 119) }
```

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

```
.background{ background-color: rgb(143,  
241, 119) }
```

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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