

Converting Colors

$Yxy(71.4027, 0.3034, 0.4577)$

Have a look what the booklet for
Yxy(71.4027, 0.3034, 0.4577)
contains.

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Color

Yxy(71.4027, 0.3034, 0.4577)

Conversions

Conversions Part 1

Format	Color
Hex	89F38F
RGB	137, 243, 143
RGB Percent	54%, 95%, 56%
CMY	0.4625, 0.0471, 0.4393
CMYK	0.44, 0.00, 0.41, 0.05
HSL	123°, 82%, 75%
HSV	123°, 44%, 95%
XYZ	47.3314, 71.4027, 37.2692
YIQ	199.9060, -31.0760, -53.5720

Conversions

Conversions Part 2

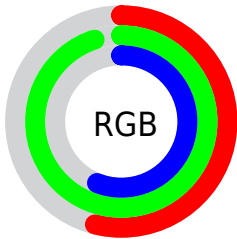
Format	Color
RYB	137, 237, 243
Decimal	9040783
CIELab	87.68, -50.58, 38.86
CIELCh	88, 63.784, 142.470
Yxy	71.4027, 0.3034, 0.4577
Android (android.graphics.Color)	4287230863 (0xFF89F38F)
YUV	199.9060, -28.0547, -55.1686
Hunter-Lab	84.5001, -47.8913, 32.9999

Details

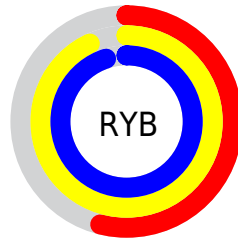
The Yxy color **71.4027, 0.3034, 0.4577** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **43.0807, 0.3229, 0.2273**, and the grayscale version is **57.8974, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1993, 0.3079, 0.3922**, and **37.5354, 0.2977, 0.4929** is the 20% darker color. If you saturate the color by 10%, you get **68.9515, 0.3015, 0.4924**, and if you desaturate by 10%, it is **74.4645, 0.3055, 0.4237**.

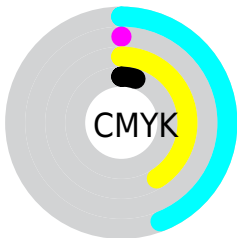
Distribution



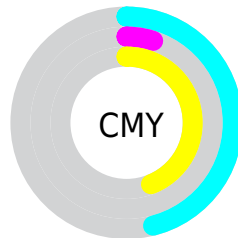
- Red (54%)
- Green (95%)
- Blue (56%)



- Red (54%)
- Yellow (93%)
- Blue (95%)



- Cyan (44%)
- Magenta (0%)
- Yellow (41%)
- Black (5%)





- Cyan (46%)
- Magenta (5%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.4027, 0.3034, 0.4577 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 71.4027, 0.3034, 0.4577 by changing the saturation by 10% instead.


 71.4027, 0.3034,
0.4577


 71.4027, 0.3034,
0.4577


465.4599, 0.3103,
0.3938

 52.6709, 0.3011,
0.4732

 121.2069, 0.3064,
0.4347

 37.5401, 0.2977,
0.4929


 153.0482, 0.3074,
0.4260

 25.6260, 0.2928,
0.5184


190.0280, 0.3081,
0.4186

 16.5440, 0.2851,
0.5526

232.5308, 0.3088,
0.4123

 9.9099, 0.2722,
0.6002

280.9410, 0.3093,
0.4068

 5.3393, 0.2499,
0.6721

335.6430, 0.3097,

 2.4477, 0.2035,

0.4019

0.7965

397.0212, 0.3100,
0.3976

■ 0.8503, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 71.4027, 0.3034,
0.4577

■ 71.4027, 0.3034,
0.4577

■ 68.9515, 0.3015,
0.4924

■ 74.4645, 0.3055,
0.4237

■ 67.0618, 0.3000,
0.5255


■ 78.1643, 0.3077,
0.3919

■ 65.6915, 0.2990,
0.5547


■ 82.5388, 0.3099,
0.3630

■ 64.7888, 0.2987,
0.5774

■ 87.6192, 0.3120,
0.3374

 64.2910, 0.2990,
0.5921

 92.5794, 0.3133,
0.3175

 64.1301, 0.2993,
0.5974

Harmonies

Analogous

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



71.4027, 0.3769, 0.4692



71.4027, 0.3034, 0.4577



71.4027, 0.2364, 0.3930

Triad

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



71.4027, 0.3034, 0.4577



71.4027, 0.1953, 0.2174



71.4027, 0.4476, 0.3247

Complementary

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



71.4027, 0.3034, 0.4577



43.0807, 0.3229, 0.2273

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.



71.4027, 0.3860, 0.2730



71.4027, 0.3034, 0.4577



71.4027, 0.2384, 0.2139

Square

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



71.4027, 0.3034, 0.4577



71.4027, 0.1798, 0.2486



71.4027, 0.3067, 0.2339



71.4027, 0.4655, 0.3814

Rectangle

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



71.4027, 0.3034, 0.4577



71.4027, 0.2043, 0.3371



71.4027, 0.3067, 0.2339



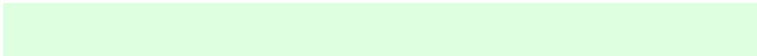
71.4027, 0.4310, 0.3066

Sweetspot

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



71.4057, 0.3034, 0.4577



92.3918, 0.3101, 0.3615



84.0326, 0.3738, 0.4379



19.5281, 0.3096, 0.3675



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.



71.4057, 0.3034, 0.4577



77.2938, 0.3018, 0.4873



73.3777, 0.2767, 0.3885



18.4871, 0.3108, 0.3521



35.2039, 0.2990, 0.5965



3.0993, 0.2966, 0.5877

Inverse Universe

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



43.0807, 0.3229, 0.2273



42.0285, 0.3251, 0.2098



40.4538, 0.3748, 0.2775



16.7513, 0.3147, 0.3070



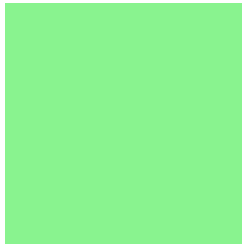
13.5817, 0.3355, 0.1622



1.1985, 0.3335, 0.1611

Previews

White Background



This preview shows how the Yxy color 71.4027, 0.3034, 0.4577 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 71.4027, 0.3034, 0.4577 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 71.4027, 0.3034, 0.4577

Background



This preview shows how black text looks on a background with the Yxy color 71.4027, 0.3034, 0.4577.

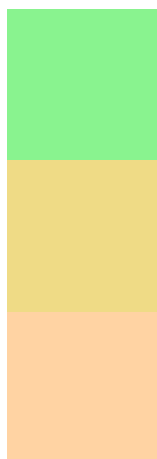


This preview shows how white text looks on a background with the Yxy color 71.4027, 0.3034, 0.4577.

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

71.4027, 0.3034, 0.4577

Protanopia

70.7350, 0.3866, 0.4192

Deuteranopia

70.4929, 0.3822, 0.3787



Tritanopia

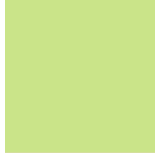
71.3623, 0.2590, 0.3082

Trichromacy



Original Color

71.4027, 0.3034, 0.4577



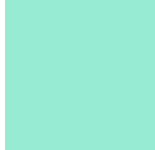
Protanomaly

69.8495, 0.3525, 0.4348



Deuteranomaly

69.1727, 0.3495, 0.4060



Tritanomaly

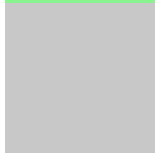
70.6491, 0.2753, 0.3595

Monochromacy



Original Color

71.4027, 0.3034, 0.4577



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

61.7135, 0.3091, 0.3753

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.4027, 0.3034, 0.4577 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(137, 243, 143)` looks like.

```
.text, #text, p{  
    color:rgb(137, 243, 143)  
}
```

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(137, 243, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 243, 143) }
```

Border

The CSS property to change the border of an element to Yxy 71.4027, 0.3034, 0.4577 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(137, 243, 143) }
```

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

```
.border{ border-color:rgb(137, 243, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 243, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 243, 143); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 243, 143); box-shadow:4px 4px 4px 4px rgb(137, 243, 143) }
```


Background

The CSS property to change the background color of an element to Yxy 71.4027, 0.3034, 0.4577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 243, 143) }
```

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

```
.background{ background-color: rgb(137,  
243, 143) }
```

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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