

Converting Colors

$Y_{xy}(84.3165, 0.3723, 0.4306)$

Have a look what the booklet for
Yxy(84.3165, 0.3723, 0.4306)
contains.

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Color

Yxy(84.0127, 0.3725, 0.4308)

Conversions

Conversions Part 1

Format	Color
Hex	F0F28F
RGB	240, 242, 143
RGB Percent	94%, 95%, 56%
CMY	0.0588, 0.0509, 0.4393
CMYK	0.01, 0.00, 0.41, 0.05
HSL	61°, 79%, 75%
HSV	61°, 41%, 95%
XYZ	72.6433, 84.0127, 38.3596
YIQ	230.1160, 30.5870, -31.2130

Conversions

Conversions Part 2

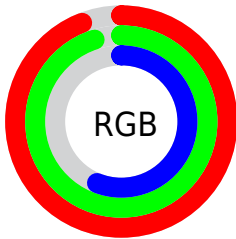
Format	Color
R _Y B	143, 242, 145
Decimal	15790735
CIE Lab	93.46, -14.65, 47.46
CIE LCh	93, 49.672, 107.149
Yxy	84.0127, 0.3725, 0.4308
Android (android.graphics.Color)	4293980815 (0xFFFF0F28F)
YUV	230.1160, -42.9482, 8.6683
Hunter-Lab	91.6584, -18.9333, 39.3477

Details

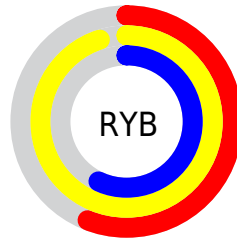
The Yxy color **84.0127, 0.3725, 0.4308** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **32.0635, 0.2378, 0.2032**, and the grayscale version is **79.5282, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.8572, 0.3466, 0.3850**, and **45.8011, 0.3832, 0.4536** is the 20% darker color. If you saturate the color by 10%, you get **83.2749, 0.3853, 0.4530**, and if you desaturate by 10%, it is **84.9165, 0.3584, 0.4066**.

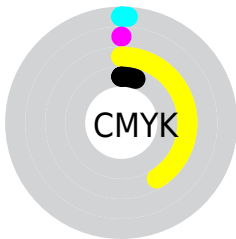
Distribution



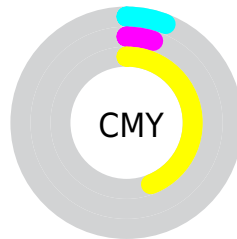
- Red (94%)
- Green (95%)
- Blue (56%)



- Red (56%)
- Yellow (95%)
- Blue (57%)



- Cyan (1%)
- Magenta (0%)
- Yellow (41%)
- Black (5%)





- Cyan (6%)
- Magenta (5%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.0127, 0.3725, 0.4308 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 84.0127, 0.3725, 0.4308 by changing the saturation by 10% instead.


 84.0127, 0.3725,
0.4308

 84.0127, 0.3725,
0.4308


508.3554, 0.3472,
0.3846

 63.0259, 0.3775,
0.4409


 138.9929, 0.3643,
0.4151

 45.8622, 0.3833,
0.4530


 173.7552, 0.3609,
0.4089

 32.1371, 0.3900,
0.4678

213.8781, 0.3580,
0.4035

 21.4662, 0.3975,
0.4861

259.7459, 0.3553,
0.3988

 13.4652, 0.4054,
0.5088

311.7432, 0.3530,
0.3946

 7.7497, 0.4128,
0.5377

370.2543, 0.3508,

 3.9352, 0.4204,

0.3909

0.5796

435.6636, 0.3489,
0.3876

■ 1.6374, 0.3969,
0.6031

■ 0.3826, 0.0157,
0.9843

■ 84.0127, 0.3725,
0.4308

■ 84.0127, 0.3725,
0.4308

■ 83.2749, 0.3853,
0.4530

■ 84.9165, 0.3584,
0.4066

■ 82.6815, 0.3963,
0.4722


■ 85.9843, 0.3436,
0.3814

■ 82.2247, 0.4050,
0.4875


■ 87.2285, 0.3287,
0.3560

■ 81.8914, 0.4111,
0.4985

■ 88.6571, 0.3140,
0.3312


 81.6659, 0.4145,
0.5052

 89.6864, 0.3053,
0.3162

 81.5313, 0.4158,
0.5081

 89.7735, 0.3056,
0.3162

 89.8609, 0.3059,
0.3162

 89.9485, 0.3062,
0.3163

 90.0363, 0.3065,
0.3163

Harmonies

Analogous

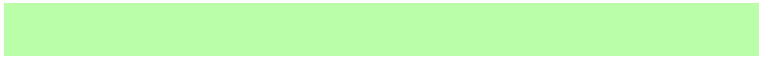
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.0127, 0.4131, 0.4055



84.0127, 0.3725, 0.4308



84.0127, 0.3179, 0.4256

Triad

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



84.0127, 0.3725, 0.4308



84.0127, 0.2107, 0.2771



84.0127, 0.3574, 0.2805

Complementary

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



84.0127, 0.3725, 0.4308



32.0635, 0.2378, 0.2032

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.



84.0127, 0.2991, 0.2517



84.0127, 0.3725, 0.4308



84.0127, 0.2188, 0.2472

Square

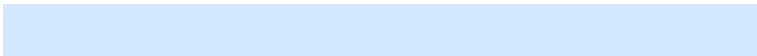
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.0127, 0.3725, 0.4308



84.0127, 0.2264, 0.3274



84.0127, 0.2495, 0.2395



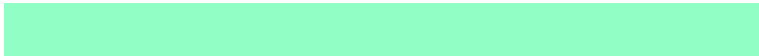
84.0127, 0.4059, 0.3203

Rectangle

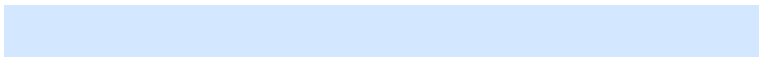
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.0127, 0.3725, 0.4308



84.0127, 0.2813, 0.4020



84.0127, 0.2495, 0.2395



84.0127, 0.3380, 0.2693

Sweetspot

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



84.0165, 0.3725, 0.4308



98.0661, 0.3303, 0.3588



40.9948, 0.4171, 0.3311



20.9491, 0.3323, 0.3621



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

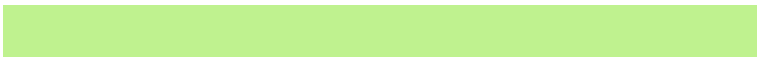
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.0165, 0.3725, 0.4308



93.9160, 0.3832, 0.4492



76.5463, 0.3374, 0.4440



18.4418, 0.3265, 0.3523



43.8039, 0.4158, 0.5080



3.6492, 0.4163, 0.5077

Inverse Universe

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



32.0635, 0.2378, 0.2032



28.1512, 0.2201, 0.1738



37.5337, 0.2760, 0.2152



15.2440, 0.2983, 0.3046



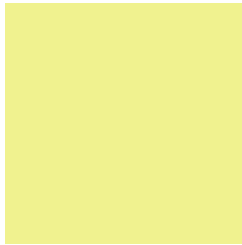
3.4679, 0.1506, 0.0603



0.2938, 0.1523, 0.0613

Previews

White Background



This preview shows how the Yxy color 84.0127, 0.3725, 0.4308 looks on a white background.

Color Contrast Check

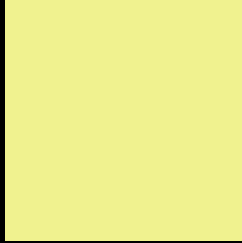
Large Text (above 18pt) WCAG AA × Fail

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 84.0127, 0.3725, 0.4308 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 84.0127, 0.3725, 0.4308

Background



This preview shows how black text looks on a background with the Yxy color 84.0127, 0.3725, 0.4308.



This preview shows how white text looks on a background with the Yxy color 84.0127, 0.3725, 0.4308.

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

84.0127, 0.3725, 0.4308

Protanopia

83.7890, 0.3753, 0.4053

Deuteranopia

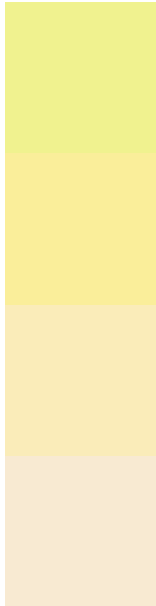
83.5767, 0.3438, 0.3521



Tritanopia

84.0664, 0.3163, 0.3114

Trichromacy



Original Color

84.0127, 0.3725, 0.4308

Protanomaly

83.8062, 0.3747, 0.4141

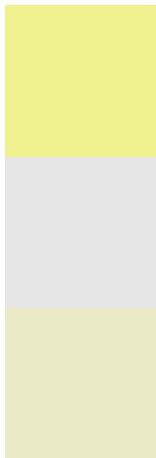
Deuteranomaly

83.8177, 0.3554, 0.3811

Tritanomaly

83.4552, 0.3379, 0.3535

Monochromacy



Original Color

84.0127, 0.3725, 0.4308

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

80.4153, 0.3358, 0.3671

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.0127, 0.3725, 0.4308 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(240, 242, 143)` looks like.

```
.text, #text, p{  
    color:rgb(240, 242, 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(240, 242, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 242, 143) }
```

Border

The CSS property to change the border of an element to Yxy 84.0127, 0.3725, 0.4308 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(240, 242, 143) }
```

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

```
.border{ border-color:rgb(240, 242, 143) }
```

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

Here you see how a box with a 4 pixel rgb(240, 242, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 242, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 242, 143);  
box-shadow:4px 4px 4px 4px rgb(240, 242,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 84.0127, 0.3725, 0.4308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 242, 143) }
```

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

```
.background{ background-color: rgb(240,  
242, 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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