

Converting Colors

$Y_{xy}(84.1985, 0.3998, 0.4649)$

Have a look what the booklet for
Yxy(84.1985, 0.3998, 0.4649)
contains.

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Color

Yxy(84.1985, 0.3998, 0.4649)

Conversions

Conversions Part 1

Format	Color
Hex	F7F264
RGB	247, 242, 100
RGB Percent	97%, 95%, 39%
CMY	0.0314, 0.0509, 0.6076
CMYK	0.00, 0.02, 0.59, 0.03
HSL	58°, 90%, 68%
HSV	58°, 59%, 97%
XYZ	72.4082, 84.1985, 24.5043
YIQ	227.3070, 48.5620, -43.1020

Conversions

Conversions Part 2

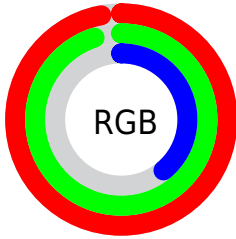
Format	Color
R_{YB}	105, 247, 100
Decimal	16249444
CIE Lab	93.54, -15.49, 67.20
CIE LCh	94, 68.964, 102.978
Yxy	84.1985, 0.3998, 0.4649
Android (android.graphics.Color)	4294439524 (0xFFFF7F264)
YUV	227.3070, -62.7624, 17.2708
Hunter-Lab	91.7597, -19.7241, 48.3985

Details

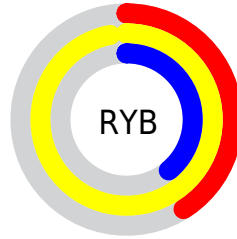
The Yxy color **84.1985, 0.3998, 0.4649** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **19.5355, 0.1979, 0.1426**, and the grayscale version is **77.4951, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.1803, 0.3712, 0.4256**, and **45.9763, 0.4131, 0.4906** is the 20% darker color. If you saturate the color by 10%, you get **83.2974, 0.4101, 0.4801**, and if you desaturate by 10%, it is **85.2546, 0.3873, 0.4460**.

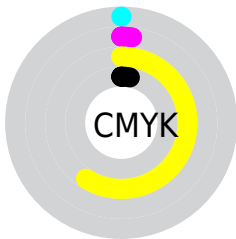
Distribution



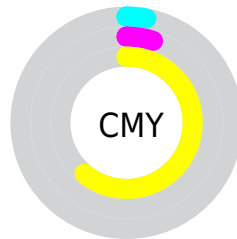
- Red (97%)
- Green (95%)
- Blue (39%)



- Red (41%)
- Yellow (97%)
- Blue (39%)



- Cyan (0%)
- Magenta (2%)
- Yellow (59%)
- Black (3%)





- Cyan (3%)
- Magenta (5%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.1985, 0.3998, 0.4649 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 84.1985, 0.3998, 0.4649 by changing the saturation by 10% instead.


 84.1985, 0.3998,
0.4649


 84.1985, 0.3998,
0.4649


508.9722, 0.3648,
0.4053

 63.1793, 0.4060,
0.4770


 139.2528, 0.3890,
0.4453


 45.9863, 0.4127,
0.4910


 174.0568, 0.3844,
0.4374

 32.2350, 0.4196,
0.5072


 214.2244, 0.3803,
0.4304

 21.5411, 0.4260,
0.5255

 260.1402, 0.3765,
0.4242

 13.5201, 0.4311,
0.5467

312.1884, 0.3732,
0.4187

 7.7876, 0.4313,
0.5687

370.7536, 0.3701,

 3.9594, 0.4166,

0.4137

0.5834

436.2200, 0.3673,
0.4093

■ 1.6509, 0.3918,
0.6082

■ 0.3915, 0.0000,
1.0000

■ 84.1985, 0.3998,
0.4649

■ 84.1985, 0.3998,
0.4649

■ 83.2974, 0.4101,
0.4801

■ 85.2546, 0.3873,
0.4460

■ 82.5261, 0.4177,
0.4911


■ 86.4659, 0.3732,
0.4242

■ 81.8723, 0.4227,
0.4976


■ 87.8470, 0.3580,
0.4006

■ 81.3107, 0.4253,
0.5003


■ 89.4075, 0.3424,
0.3761


 81.2830, 0.4254,
0.5004

 91.1564, 0.3270,
0.3516

 93.1021, 0.3120,
0.3278

 94.0425, 0.3080,
0.3221

 94.5575, 0.3080,
0.3229

 95.0749, 0.3079,
0.3237

Harmonies

Analogous

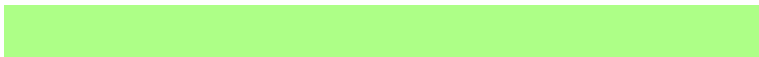
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.1985, 0.4532, 0.4205



84.1985, 0.3998, 0.4649



84.1985, 0.3269, 0.4712

Triad

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



84.1985, 0.3998, 0.4649



84.1985, 0.1783, 0.2633



84.1985, 0.3623, 0.2575

Complementary

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



84.1985, 0.3998, 0.4649



19.5355, 0.1979, 0.1426

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.



84.1985, 0.2821, 0.2233



84.1985, 0.3998, 0.4649



84.1985, 0.1849, 0.2218

Square

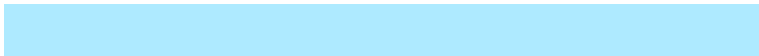
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.1985, 0.3998, 0.4649



84.1985, 0.2013, 0.3357



84.1985, 0.2199, 0.2100



84.1985, 0.4347, 0.3068

Rectangle

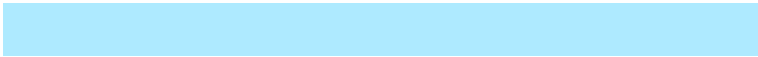
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.1985, 0.3998, 0.4649



84.1985, 0.2771, 0.4430



84.1985, 0.2199, 0.2100



84.1985, 0.3348, 0.2440

Sweetspot

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



84.2024, 0.3998, 0.4649



96.4007, 0.3402, 0.3725



29.9657, 0.4904, 0.3224



20.5228, 0.3447, 0.3797



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.



84.2024, 0.3998, 0.4649



89.4244, 0.4115, 0.4822



77.2408, 0.3501, 0.4954



19.2116, 0.3269, 0.3516



43.0385, 0.4253, 0.5005



3.8123, 0.4245, 0.5011

Inverse Universe

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



19.5355, 0.1979, 0.1426



14.4230, 0.1768, 0.1074



23.9643, 0.2446, 0.1579



16.0166, 0.2979, 0.3053



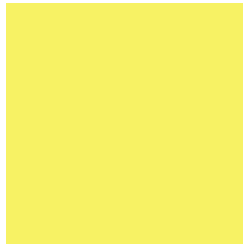
3.6884, 0.1506, 0.0621



0.3553, 0.1521, 0.0674

Previews

White Background



This preview shows how the Yxy color 84.1985, 0.3998, 0.4649 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 84.1985, 0.3998, 0.4649 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 84.1985, 0.3998, 0.4649

Background



This preview shows how black text looks on a background with the Yxy color 84.1985, 0.3998, 0.4649.



This preview shows how white text looks on a background with the Yxy color 84.1985, 0.3998, 0.4649.

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

84.1985, 0.3998, 0.4649

Protanopia

84.2970, 0.3762, 0.4082

Deuteranopia

84.0428, 0.3450, 0.3552



Tritanopia

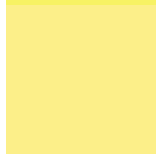
83.7697, 0.3216, 0.3153

Trichromacy



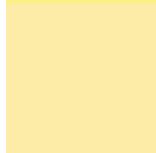
Original Color

84.1985, 0.3998, 0.4649



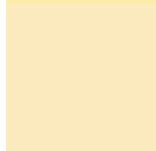
Protanomaly

84.2346, 0.3859, 0.4304



Deuteranomaly

83.5135, 0.3680, 0.3980



Tritanomaly

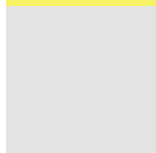
83.3027, 0.3534, 0.3728

Monochromacy



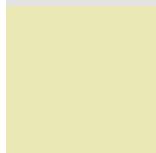
Original Color

84.1985, 0.3998, 0.4649



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

78.5418, 0.3473, 0.3835

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.1985, 0.3998, 0.4649 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(247, 242, 100)` looks like.

```
.text, #text, p{  
    color:rgb(247, 242, 100)  
}
```

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(247, 242, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 242, 100) }
```

Border

The CSS property to change the border of an element to Yxy 84.1985, 0.3998, 0.4649 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(247, 242, 100) }
```

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

```
.border{ border-color:rgb(247, 242, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 242, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 242, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 242, 100);  
box-shadow:4px 4px 4px 4px rgb(247, 242,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 84.1985, 0.3998, 0.4649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 242, 100) }
```

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

```
.background{ background-color: rgb(247,  
242, 100) }
```

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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