

Converting Colors

$Yxy(83.9303, 0.3581, 0.4051)$

Have a look what the booklet for
Yxy(83.9303, 0.3581, 0.4051)
contains.

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Color

Yxy(84.2259, 0.3584, 0.4059)

Conversions

Conversions Part 1

Format	Color
Hex	F0F1A7
RGB	240, 241, 167
RGB Percent	94%, 95%, 65%
CMY	0.0588, 0.0549, 0.3450
CMYK	0.00, 0.00, 0.31, 0.05
HSL	61°, 73%, 80%
HSV	61°, 31%, 95%
XYZ	74.3695, 84.2259, 48.9087
YIQ	232.2650, 23.1580, -23.2260

Conversions

Conversions Part 2

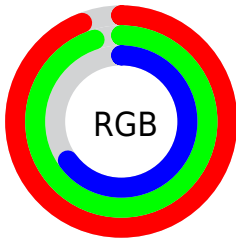
Format	Color
RYB	167, 241, 168
Decimal	15790503
CIELab	93.55, -11.45, 35.71
CIELCh	94, 37.499, 107.783
Yxy	84.2259, 0.3584, 0.4059
Android (android.graphics.Color)	4293980583 (0xFFFF0F1A7)
YUV	232.2650, -32.1756, 6.7836
Hunter-Lab	91.7747, -15.9585, 32.6453

Details

The Yxy color **84.2259, 0.3584, 0.4059** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **42.3255, 0.2588, 0.2389**, and the grayscale version is **81.1422, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1077, 0.3315, 0.3601**, and **45.9801, 0.3676, 0.4234** is the 20% darker color. If you saturate the color by 10%, you get **83.3630, 0.3727, 0.4301**, and if you desaturate by 10%, it is **85.2626, 0.3435, 0.3807**.

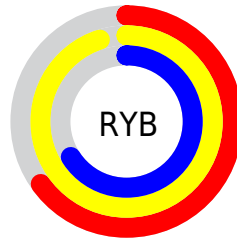
Distribution



Red (94%)

Green (95%)

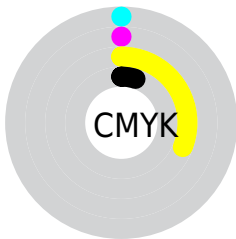
Blue (65%)



Red (65%)

Yellow (95%)

Blue (66%)

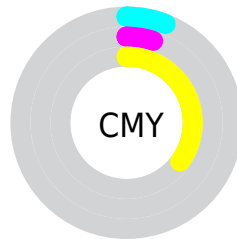


Cyan (0%)

Magenta (0%)

Yellow (31%)

Black (5%)



Cyan (6%)


Magenta (5%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.2259, 0.3584, 0.4059 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 84.2259, 0.3584, 0.4059 by changing the saturation by 10% instead.

 84.2259, 0.3584,
0.4059


 84.2259, 0.3584,
0.4059

509.0631, 0.3386,
0.3708

 63.2020, 0.3626,
0.4137


 139.2911, 0.3518,
0.3939

 46.0046, 0.3675,
0.4232


 174.1012, 0.3492,
0.3892

 32.2495, 0.3734,
0.4350


214.2755, 0.3468,
0.3851

 21.5521, 0.3805,
0.4499

260.1983, 0.3448,
0.3815

 13.5282, 0.3890,
0.4693

312.2541, 0.3430,
0.3783

 7.7932, 0.3988,
0.4950

370.8272, 0.3413,

 3.9629, 0.4153,

0.3756

0.5383

436.3021, 0.3399,
0.3731

■ 1.6529, 0.4174,
0.5826

■ 0.3928, 0.1928,
0.8072

■ 84.2259, 0.3584,
0.4059

■ 84.2259, 0.3584,
0.4059

■ 83.3630, 0.3727,
0.4301

■ 85.2626, 0.3435,
0.3807

■ 82.6533, 0.3857,
0.4522


■ 86.4702, 0.3284,
0.3554

■ 82.0904, 0.3968,
0.4713


■ 87.8605, 0.3137,
0.3307


■ 81.6630, 0.4057,
0.4866


■ 88.8861, 0.3045,
0.3152


 81.3580, 0.4119,
0.4976


 88.9433, 0.3048,
0.3152

 81.1601, 0.4155,
0.5042

 89.0005, 0.3050,
0.3152

 81.0484, 0.4170,
0.5071

 89.0578, 0.3052,
0.3152

 89.1152, 0.3054,
0.3152

 89.1728, 0.3056,
0.3152

Harmonies

Analogous

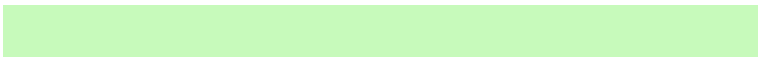
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.2259, 0.3889, 0.3892



84.2259, 0.3584, 0.4059



84.2259, 0.3168, 0.3998

Triad

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



84.2259, 0.3584, 0.4059



84.2259, 0.2337, 0.2899



84.2259, 0.3476, 0.2923

Complementary

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



84.2259, 0.3584, 0.4059



42.3255, 0.2588, 0.2389

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.



84.2259, 0.3038, 0.2693



84.2259, 0.3584, 0.4059



84.2259, 0.2404, 0.2662

Square

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



84.2259, 0.3584, 0.4059



84.2259, 0.2462, 0.3279



84.2259, 0.2652, 0.2596



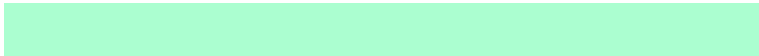
84.2259, 0.3834, 0.3241

Rectangle

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



84.2259, 0.3584, 0.4059



84.2259, 0.2888, 0.3821



84.2259, 0.2652, 0.2596



84.2259, 0.3332, 0.2834

Sweetspot

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



84.2297, 0.3584, 0.4059



98.5506, 0.3260, 0.3512



49.1395, 0.3824, 0.3292



21.0472, 0.3281, 0.3549



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

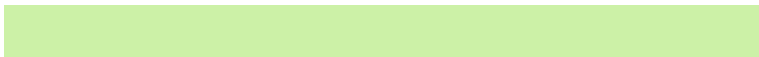
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.2297, 0.3584, 0.4059



95.1013, 0.3677, 0.4216



78.5424, 0.3329, 0.4128



18.4476, 0.3266, 0.3523



43.9550, 0.4170, 0.5071



3.6601, 0.4173, 0.5068

Inverse Universe

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



42.3255, 0.2588, 0.2389



40.2603, 0.2454, 0.2166



46.8378, 0.2862, 0.2454



15.2389, 0.2981, 0.3046



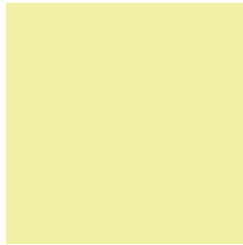
3.4599, 0.1504, 0.0602



0.2914, 0.1515, 0.0608

Previews

White Background



This preview shows how the Yxy color 84.2259, 0.3584, 0.4059 looks on a white background.

Color Contrast Check

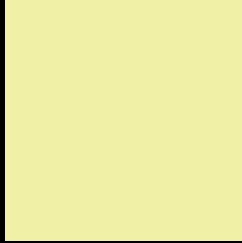
Large Text (above 18pt) WCAG AA × Fail

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 84.2259, 0.3584, 0.4059 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

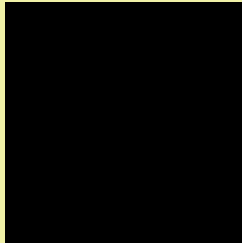
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.2259, 0.3584, 0.4059

Background



This preview shows how black text looks on a background with the Yxy color 84.2259, 0.3584, 0.4059.

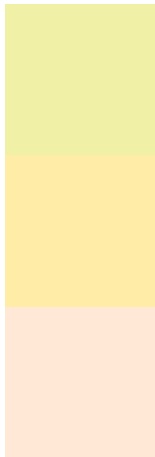


This preview shows how white text looks on a background with the Yxy color 84.2259, 0.3584, 0.4059.

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

84.2259, 0.3584, 0.4059

Protanopia

84.0041, 0.3715, 0.3995

Deuteranopia

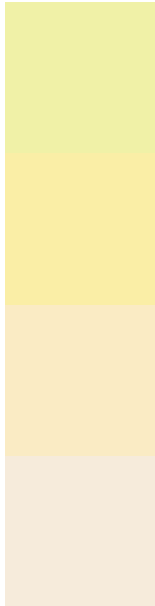
83.7773, 0.3411, 0.3481



Tritanopia

84.3154, 0.3142, 0.3113

Trichromacy



Original Color

84.2259, 0.3584, 0.4059

Protanomaly

84.2262, 0.3672, 0.4022

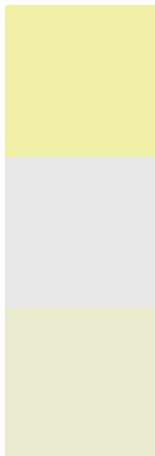
Deuteranomaly

83.7262, 0.3484, 0.3688

Tritanomaly

84.1240, 0.3304, 0.3453

Monochromacy



Original Color

84.2259, 0.3584, 0.4059

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.6329, 0.3299, 0.3573

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.2259, 0.3584, 0.4059 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, 241, 167)` looks like.

```
.text, #text, p{  
    color:rgb(240, 241, 167)  
}
```

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, 241, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 241, 167) }
```

Border

The CSS property to change the border of an element to Yxy 84.2259, 0.3584, 0.4059 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, 241, 167) }
```

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

```
.border{ border-color:rgb(240, 241, 167) }
```

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

Here you see how a box with a 4 pixel rgb(240, 241, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 241, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 241, 167);  
box-shadow:4px 4px 4px 4px rgb(240, 241,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 84.2259, 0.3584, 0.4059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 241, 167) }
```

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

```
.background{ background-color: rgb(240,  
241, 167) }
```

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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