

Converting Colors

$Y_{xy}(85.7331, 0.3645, 0.4070)$

Have a look what the booklet for
Yxy(85.7331, 0.3645, 0.4070)
contains.

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Color

Yxy(85.9950, 0.3644, 0.4075)

Conversions

Conversions Part 1

Format	Color
Hex	F7F2A5
RGB	247, 242, 165
RGB Percent	97%, 95%, 65%
CMY	0.0314, 0.0509, 0.3530
CMYK	0.00, 0.02, 0.33, 0.03
HSL	56°, 84%, 81%
HSV	56°, 33%, 97%
XYZ	76.8996, 85.9950, 48.1361
YIQ	234.7170, 27.6970, -22.8870

Conversions

Conversions Part 2

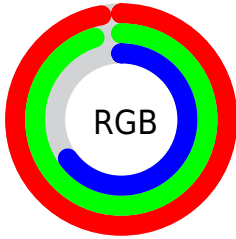
Format	Color
RYB	170, 247, 165
Decimal	16249509
CIELab	94.31, -9.57, 37.83
CIElCh	94, 39.023, 104.194
Yxy	85.9950, 0.3644, 0.4075
Android (android.graphics.Color)	4294439589 (0xFFFF7F2A5)
YUV	234.7170, -34.3705, 10.7722
Hunter-Lab	92.7335, -14.2618, 34.1372

Details

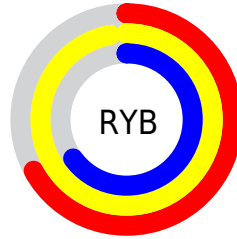
The Yxy color **85.9950, 0.3644, 0.4075** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **43.4541, 0.2536, 0.2361**, and the grayscale version is **83.1031, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0005, 0.3327, 0.3621**, and **47.2348, 0.3752, 0.4248** is the 20% darker color. If you saturate the color by 10%, you get **84.2938, 0.3797, 0.4301**, and if you desaturate by 10%, it is **87.8850, 0.3486, 0.3838**.

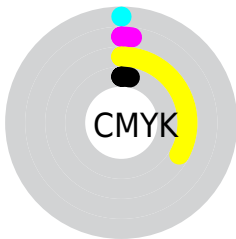
Distribution



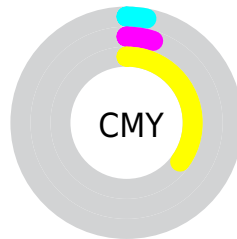
- Red (97%)
- Green (95%)
- Blue (65%)



- Red (67%)
- Yellow (97%)
- Blue (65%)



- Cyan (0%)
- Magenta (2%)
- Yellow (33%)
- Black (3%)





- Cyan (3%)
- Magenta (5%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.9950, 0.3644, 0.4075 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 85.9950, 0.3644, 0.4075 by changing the saturation by 10% instead.


 85.9950, 0.3644,
0.4075


 85.9950, 0.3644,
0.4075


514.9147, 0.3420,
0.3720

 64.6638, 0.3691,
0.4153


 141.7625, 0.3570,
0.3954

 47.1885, 0.3746,
0.4247


 176.9676, 0.3540,
0.3907

 33.1847, 0.3813,
0.4363


217.5662, 0.3513,
0.3865

 22.2680, 0.3893,
0.4509

263.9427, 0.3490,
0.3829

 14.0540, 0.3988,
0.4696

316.4813, 0.3470,
0.3797

 8.1582, 0.4099,
0.4937


375.5666, 0.3451,


 4.1963, 0.4288,


0.3769


0.5348

441.5830, 0.3435,
0.3743

 1.7840, 0.4307,
0.5693


 0.4772, 0.3155,
0.6845


 85.9950, 0.3644,
0.4075


 85.9950, 0.3644,
0.4075


 84.2938, 0.3797,
0.4301


 87.8850, 0.3486,
0.3838


 82.7597, 0.3939,
0.4506


 89.9614, 0.3328,
0.3598

 81.3856, 0.4064,
0.4680

 92.2366, 0.3175,
0.3363

 80.1588, 0.4165,
0.4814


 94.1398, 0.3080,
0.3222

 79.0651, 0.4239,
0.4905

 95.0676, 0.3079,
0.3237


 78.0871, 0.4286,
0.4951

 96.0028, 0.3079,
0.3251

 77.4706, 0.4306,
0.4963

 96.9454, 0.3079,
0.3266

 97.8956, 0.3078,
0.3281

 98.5136, 0.3078,
0.3290

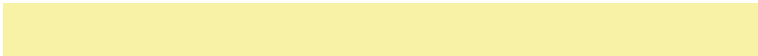
Harmonies

Analogous

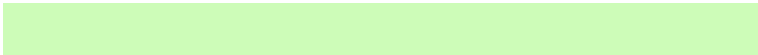
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.9950, 0.3939, 0.3878



85.9950, 0.3644, 0.4075



85.9950, 0.3222, 0.4045

Triad

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



85.9950, 0.3644, 0.4075



85.9950, 0.2318, 0.2925



85.9950, 0.3435, 0.2877

Complementary

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



85.9950, 0.3644, 0.4075



43.4541, 0.2536, 0.2361

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.



85.9950, 0.2982, 0.2655



85.9950, 0.3644, 0.4075



85.9950, 0.2364, 0.2661

Square

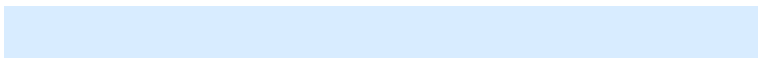
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.9950, 0.3644, 0.4075



85.9950, 0.2468, 0.3330



85.9950, 0.2597, 0.2574



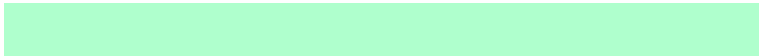
85.9950, 0.3823, 0.3196

Rectangle

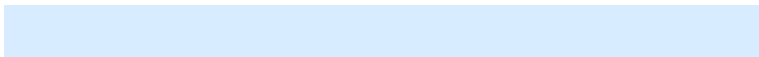
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.9950, 0.3644, 0.4075



85.9950, 0.2929, 0.3880



85.9950, 0.2597, 0.2574



85.9950, 0.3284, 0.2790

Sweetspot

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



85.9989, 0.3644, 0.4075



97.4793, 0.3278, 0.3523



49.5991, 0.3853, 0.3233



20.7925, 0.3300, 0.3556



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

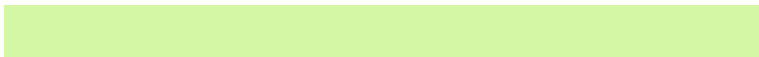
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.9989, 0.3644, 0.4075



91.1845, 0.3750, 0.4232



83.1528, 0.3381, 0.4193



19.1307, 0.3270, 0.3510



41.0500, 0.4304, 0.4965



3.6593, 0.4288, 0.4977

Inverse Universe

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



43.4541, 0.2536, 0.2361



38.8592, 0.2393, 0.2132



45.9730, 0.2791, 0.2367



16.0884, 0.2979, 0.3060



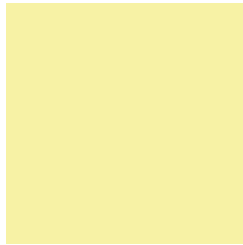
3.7984, 0.1511, 0.0637



0.3896, 0.1536, 0.0731

Previews

White Background



This preview shows how the Yxy color 85.9950, 0.3644, 0.4075 looks on a white background.

Color Contrast Check

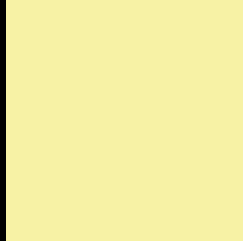
Large Text (above 18pt) WCAG AA × Fail

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 85.9950, 0.3644, 0.4075 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

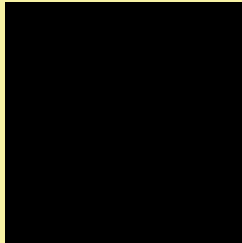
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.9950, 0.3644, 0.4075

Background



This preview shows how black text looks on a background with the Yxy color 85.9950, 0.3644, 0.4075.

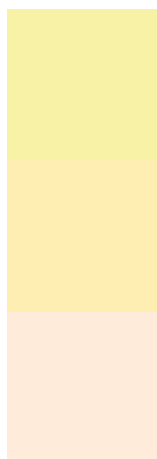


This preview shows how white text looks on a background with the Yxy color 85.9950, 0.3644, 0.4075.

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

85.9950, 0.3644, 0.4075

Protanopia

85.6234, 0.3631, 0.3894

Deuteranopia

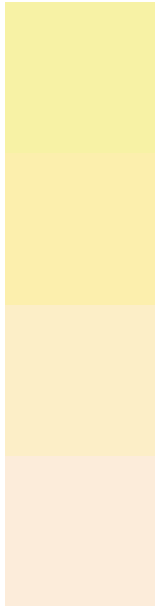
85.7386, 0.3374, 0.3460



Tritanopia

85.7505, 0.3182, 0.3135

Trichromacy



Original Color

85.9950, 0.3644, 0.4075

Protanomaly

85.4456, 0.3639, 0.3958

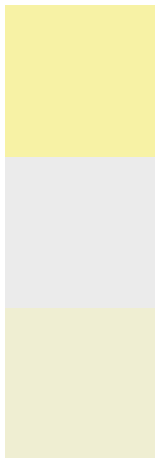
Deuteranomaly

85.9680, 0.3472, 0.3684

Tritanomaly

85.7483, 0.3351, 0.3471

Monochromacy



Original Color

85.9950, 0.3644, 0.4075

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

84.1529, 0.3310, 0.3580

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.9950, 0.3644, 0.4075 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, 165)` looks like.

```
.text, #text, p{  
    color:rgb(247, 242, 165)  
}
```

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, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 242, 165) }
```

Border

The CSS property to change the border of an element to Yxy 85.9950, 0.3644, 0.4075 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, 165) }
```

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

```
.border{ border-color:rgb(247, 242, 165) }
```

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, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 242, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 242, 165);  
box-shadow:4px 4px 4px 4px rgb(247, 242,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 85.9950, 0.3644, 0.4075 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, 165) }
```

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

```
.background{ background-color: rgb(247,  
242, 165) }
```

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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