

Converting Colors

$Y_{xy}(94.9575, 0.4099, 0.3983)$

Have a look what the booklet for
Yxy(94.9575, 0.4099, 0.3983)
contains.

Yxy(84.8777, 0.3759, 0.4091)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(84.8777, 0.3759, 0.4091)

Conversions

Conversions Part 1

Format	Color
Hex	FFEE9E
RGB	255, 238, 158
RGB Percent	100%, 93%, 62%
CMY	0.0000, 0.0667, 0.3805
CMYK	0.00, 0.07, 0.38, 0.00
HSL	49°, 100%, 81%
HSV	49°, 38%, 100%
XYZ	77.9896, 84.8777, 44.6070
YIQ	233.9630, 35.8120, -21.2760

Conversions

Conversions Part 2

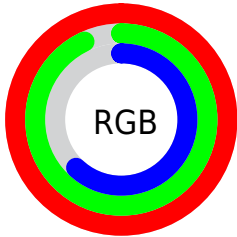
Format	Color
R_{YB}	179, 255, 158
Decimal	16772766
CIE _{Lab}	93.83, -5.31, 40.82
CIE _{LCh}	94, 41.166, 97.411
Yxy	84.8777, 0.3759, 0.4091
Android (android.graphics.Color)	4294962846 (0xFFFFEE9E)
YUV	233.9630, -37.4498, 18.4494
Hunter-Lab	92.1291, -10.1213, 35.7834

Details

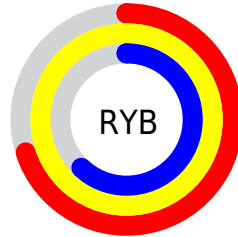
The Yxy color **84.8777, 0.3759, 0.4091** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **45.1351, 0.2454, 0.2333**, and the grayscale version is **82.5161, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5841, 0.3376, 0.3701**, and **46.3461, 0.3891, 0.4262** is the 20% darker color. If you saturate the color by 10%, you get **81.5198, 0.3932, 0.4290**, and if you desaturate by 10%, it is **88.4825, 0.3584, 0.3880**.

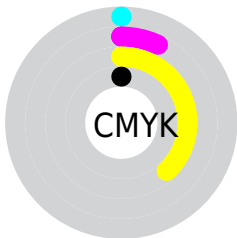
Distribution



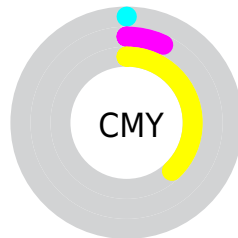
- Red (100%)
- Green (93%)
- Blue (62%)



- Red (70%)
- Yellow (100%)
- Blue (62%)



- Cyan (0%)
- Magenta (7%)
- Yellow (38%)
- Black (0%)




- Cyan (0%)
- Magenta (7%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.8777, 0.3759, 0.4091 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 84.8777, 0.3759, 0.4091 by changing the saturation by 10% instead.


 84.8777, 0.3759,
0.4091


 84.8777, 0.3759,
0.4091


511.2233, 0.3483,
0.3733

 63.7403, 0.3817,
0.4168


 140.2023, 0.3667,
0.3970

 46.4404, 0.3886,
0.4261


 175.1583, 0.3630,
0.3922

 32.5935, 0.3968,
0.4374


215.4893, 0.3598,
0.3880

 21.8152, 0.4067,
0.4514

261.5797, 0.3569,
0.3844

 13.7212, 0.4186,
0.4688

313.8140, 0.3544,
0.3811

 7.9270, 0.4324,
0.4904

372.5764, 0.3521,

 4.0483, 0.4627,

0.3782

0.5349

438.2513, 0.3501,
0.3756

■ 1.7006, 0.4558,
0.5442

■ 0.4240, 0.3920,
0.6080

■ 84.8777, 0.3759,
0.4091

■ 84.8777, 0.3759,
0.4091

■ 81.5198, 0.3932,
0.4290

■ 88.4825, 0.3584,
0.3880

■ 78.3967, 0.4097,
0.4465

■ 92.3448, 0.3413,
0.3666

■ 75.4954, 0.4246,
0.4608

■ 96.4747, 0.3250,
0.3454

■ 72.8011, 0.4371,
0.4709

100.0000, 0.3127,
0.3290

■ 70.2964, 0.4468,
0.4763

■ 67.9577, 0.4537,
0.4772

■ 67.5145, 0.4548,
0.4771

Harmonies

Analogous

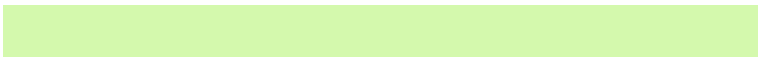
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.8777, 0.4027, 0.3839



84.8777, 0.3759, 0.4091



84.8777, 0.3332, 0.4125

Triad

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



84.8777, 0.3759, 0.4091



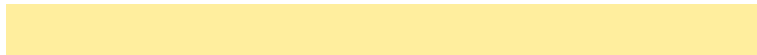
84.8777, 0.2291, 0.2988



84.8777, 0.3344, 0.2791

Complementary

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



84.8777, 0.3759, 0.4091



45.1351, 0.2454, 0.2333

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.



84.8777, 0.2870, 0.2587



84.8777, 0.3759, 0.4091



84.8777, 0.2293, 0.2671

Square

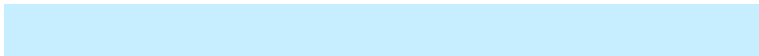
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.8777, 0.3759, 0.4091



84.8777, 0.2494, 0.3439



84.8777, 0.2495, 0.2539



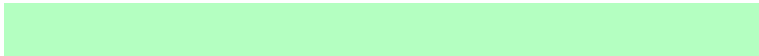
84.8777, 0.3786, 0.3108

Rectangle

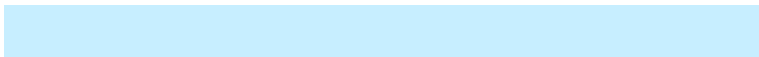
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.8777, 0.3759, 0.4091



84.8777, 0.3019, 0.3991



84.8777, 0.2495, 0.2539



84.8777, 0.3182, 0.2708

Sweetspot

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



84.8778, 0.3759, 0.4091



95.2279, 0.3297, 0.3516



48.8296, 0.3897, 0.3105



20.2618, 0.3319, 0.3544



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

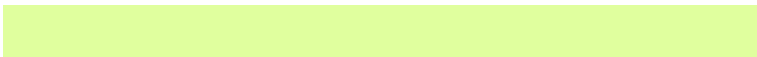
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.8778, 0.3759, 0.4091



82.1886, 0.3897, 0.4250



89.8789, 0.3490, 0.4311



20.5173, 0.3274, 0.3485



35.4756, 0.4541, 0.4776



3.5899, 0.4495, 0.4813

Inverse Universe

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



45.1351, 0.2454, 0.2333



37.1368, 0.2296, 0.2092



42.4447, 0.2642, 0.2191



17.8921, 0.2979, 0.3088



4.8886, 0.1543, 0.0755



0.6106, 0.1593, 0.0935

Previews

White Background



This preview shows how the Yxy color 84.8777, 0.3759, 0.4091 looks on a white background.

Color Contrast Check

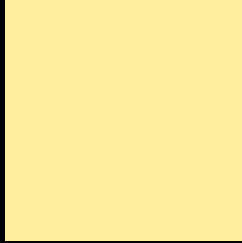
Large Text (above 18pt) WCAG AA × Fail

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 84.8777, 0.3759, 0.4091 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

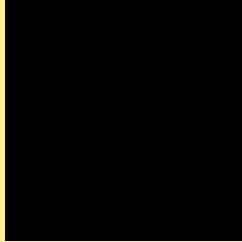
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.8777, 0.3759, 0.4091

Background



This preview shows how black text looks on a background with the Yxy color 84.8777, 0.3759, 0.4091.



This preview shows how white text looks on a background with the Yxy color 84.8777, 0.3759, 0.4091.

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

84.8777, 0.3759, 0.4091

Protanopia

84.7307, 0.3686, 0.3964

Deuteranopia

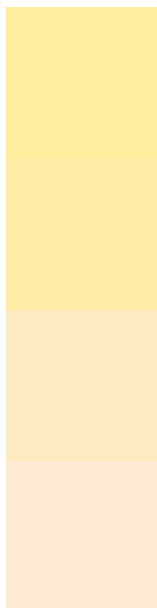
84.9607, 0.3402, 0.3490



Tritanopia

84.8226, 0.3221, 0.3183

Trichromacy



Original Color

84.8777, 0.3759, 0.4091

Protanomaly

84.5815, 0.3711, 0.4004

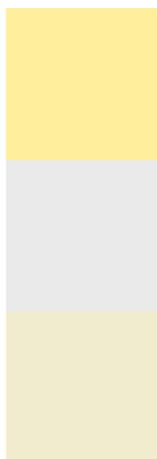
Deuteranomaly

84.5717, 0.3533, 0.3703

Tritanomaly

84.8088, 0.3422, 0.3521

Monochromacy



Original Color

84.8777, 0.3759, 0.4091

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.7501, 0.3361, 0.3590

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.8777, 0.3759, 0.4091 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(255, 238, 158)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 158)  
}
```

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(255, 238, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 158) }
```

Border

The CSS property to change the border of an element to Yxy 84.8777, 0.3759, 0.4091 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(255, 238, 158) }
```

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

```
.border{ border-color:rgb(255, 238, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 238, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 158);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 84.8777, 0.3759, 0.4091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 158) }
```

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

```
.background{ background-color: rgb(255,  
238, 158) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor