

Converting Colors

$Y_{xy}(84.2142, 0.3923, 0.4350)$

Have a look what the booklet for
Yxy(84.2142, 0.3923, 0.4350)
contains.

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Color

Yxy(84.0208, 0.3926, 0.4349)

Conversions

Conversions Part 1

Format	Color
Hex	FFEE82
RGB	255, 238, 130
RGB Percent	100%, 93%, 51%
CMY	0.0000, 0.0667, 0.4903
CMYK	0.00, 0.07, 0.49, 0.00
HSL	52°, 100%, 75%
HSV	52°, 49%, 100%
XYZ	75.8486, 84.0208, 33.3263
YIQ	230.7710, 44.8000, -29.9840

Conversions

Conversions Part 2

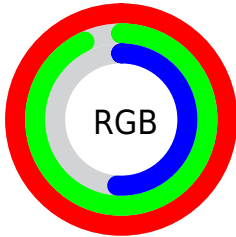
Format	Color
R_{YB}	150, 255, 130
Decimal	16772738
CIE _{Lab}	93.46, -8.03, 53.94
CIE _{LCh}	93, 54.534, 98.472
Yxy	84.0208, 0.3926, 0.4349
Android (android.graphics.Color)	4294962818 (0xFFFFEE82)
YUV	230.7710, -49.6801, 21.2488
Hunter-Lab	91.6629, -12.7059, 42.6077

Details

The Yxy color **84.0208, 0.3926, 0.4349** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **32.8201, 0.2224, 0.1937**, and the grayscale version is **80.0799, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2828, 0.3544, 0.3979**, and **45.7275, 0.4073, 0.4561** is the 20% darker color. If you saturate the color by 10%, you get **81.4188, 0.4078, 0.4528**, and if you desaturate by 10%, it is **86.8299, 0.3762, 0.4146**.

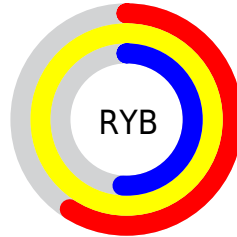
Distribution



Red (100%)

Green (93%)

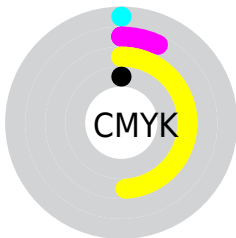
Blue (51%)



Red (59%)

Yellow (100%)

Blue (51%)

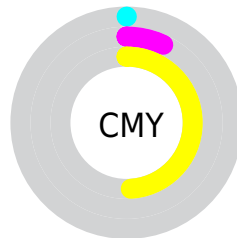


Cyan (0%)

Magenta (7%)

Yellow (49%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.0208, 0.3926, 0.4349 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 84.0208, 0.3926, 0.4349 by changing the saturation by 10% instead.

 84.0208, 0.3926,
0.4349


 84.0208, 0.3926,
0.4349


508.3823, 0.3586,
0.3881


 63.0326, 0.3994,
0.4447


 139.0043, 0.3816,
0.4193

 45.8676, 0.4071,
0.4563


 173.7683, 0.3771,
0.4130

 32.1413, 0.4160,
0.4700


 213.8932, 0.3731,
0.4076

 21.4695, 0.4259,
0.4862

259.7631, 0.3695,
0.4027

 13.4676, 0.4364,
0.5051

311.7626, 0.3664,
0.3985

 7.7513, 0.4503,
0.5317

370.2761, 0.3635,

 3.9362, 0.4512,

0.3946

0.5488

435.6878, 0.3609,
0.3912

■ 1.6380, 0.4386,
0.5614

■ 0.3830, 0.3048,
0.6952

■ 84.0208, 0.3926,
0.4349

■ 84.0208, 0.3926,
0.4349

■ 81.4188, 0.4078,
0.4528

■ 86.8299, 0.3762,
0.4146

■ 79.0130, 0.4212,
0.4671

■ 89.8599, 0.3593,
0.3928

■ 76.7879, 0.4321,
0.4773

■ 93.1208, 0.3426,
0.3704

■ 74.7261, 0.4402,
0.4827

■ 96.6224, 0.3265,
0.3483

■ 72.8017, 0.4456,
0.4840

100.0000, 0.3127,
0.3290

■ 72.6198, 0.4460,
0.4840

Harmonies

Analogous

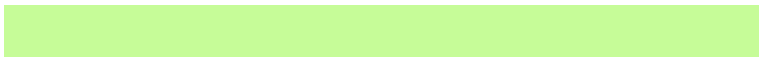
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.0208, 0.4303, 0.3996



84.0208, 0.3926, 0.4349



84.0208, 0.3356, 0.4417

Triad

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



84.0208, 0.3926, 0.4349



84.0208, 0.2041, 0.2855



84.0208, 0.3430, 0.2656

Complementary

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



84.0208, 0.3926, 0.4349



32.8201, 0.2224, 0.1937

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.



84.0208, 0.2802, 0.2393



84.0208, 0.3926, 0.4349



84.0208, 0.2056, 0.2464

Square

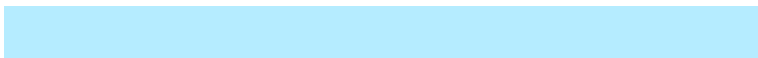
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.0208, 0.3926, 0.4349



84.0208, 0.2282, 0.3455



84.0208, 0.2317, 0.2318



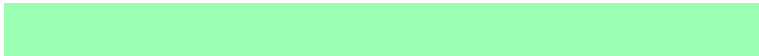
84.0208, 0.4021, 0.3057

Rectangle

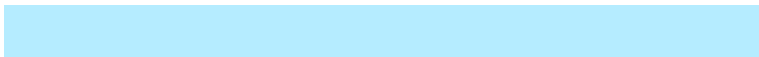
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.0208, 0.3926, 0.4349



84.0208, 0.2947, 0.4233



84.0208, 0.2317, 0.2318



84.0208, 0.3214, 0.2551

Sweetspot

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



84.0201, 0.3926, 0.4349



94.5034, 0.3360, 0.3615



39.3774, 0.4300, 0.3100



20.0719, 0.3395, 0.3662



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

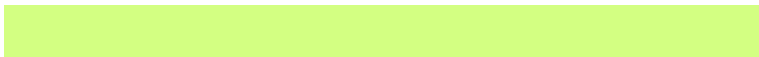
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.0201, 0.3926, 0.4349



81.4269, 0.4078, 0.4527



87.0149, 0.3547, 0.4625



20.6446, 0.3273, 0.3494



38.1084, 0.4455, 0.4844



3.8218, 0.4421, 0.4872

Inverse Universe

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



32.8201, 0.2224, 0.1937



24.8647, 0.2026, 0.1617



32.1439, 0.2494, 0.1846



17.7758, 0.2979, 0.3078



4.5115, 0.1529, 0.0704



0.5555, 0.1573, 0.0863

Previews

White Background



This preview shows how the Yxy color 84.0208, 0.3926, 0.4349 looks on a white background.

Color Contrast Check

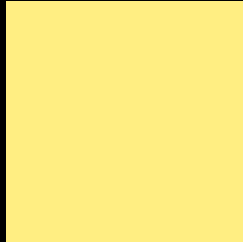
Large Text (above 18pt) WCAG AA × Fail

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 84.0208, 0.3926, 0.4349 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 84.0208, 0.3926, 0.4349

Background



This preview shows how black text looks on a background with the Yxy color 84.0208, 0.3926, 0.4349.



This preview shows how white text looks on a background with the Yxy color 84.0208, 0.3926, 0.4349.

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

84.0208, 0.3926, 0.4349

Protanopia

83.7890, 0.3753, 0.4053

Deuteranopia

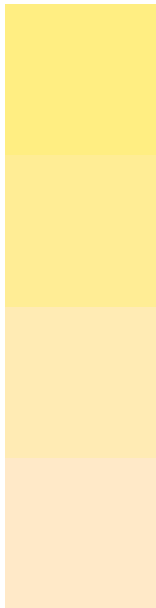
84.1413, 0.3437, 0.3531



Tritanopia

84.1449, 0.3235, 0.3192

Trichromacy



Original Color

84.0208, 0.3926, 0.4349

Protanomaly

83.9983, 0.3818, 0.4168

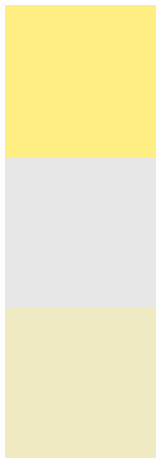
Deuteranomaly

83.9719, 0.3626, 0.3845

Tritanomaly

83.7080, 0.3497, 0.3623

Monochromacy



Original Color

84.0208, 0.3926, 0.4349

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

81.2659, 0.3427, 0.3709

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.0208, 0.3926, 0.4349 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, 130)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 130)  
}
```

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, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 130) }
```

Border

The CSS property to change the border of an element to Yxy 84.0208, 0.3926, 0.4349 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, 130) }
```

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

```
.border{ border-color:rgb(255, 238, 130) }
```

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, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 130);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 84.0208, 0.3926, 0.4349 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, 130) }
```

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

```
.background{ background-color: rgb(255,  
238, 130) }
```

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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