

Converting Colors

$Y_{xy}(100.0000, 0.4298, 0.4134)$

Have a look what the booklet for
Yxy(100.0000, 0.4298, 0.4134)
contains.

Yxy(86.5992, 0.3863, 0.4312)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(86.5992, 0.3863, 0.4312)

Conversions

Conversions Part 1

Format	Color
Hex	FFF28A
RGB	255, 242, 138
RGB Percent	100%, 95%, 54%
CMY	0.0000, 0.0510, 0.4590
CMYK	0.00, 0.05, 0.46, 0.00
HSL	53°, 100%, 77%
HSV	53°, 46%, 100%
XYZ	77.5818, 86.5992, 36.6520
YIQ	234.0310, 41.1320, -29.5880

Conversions

Conversions Part 2

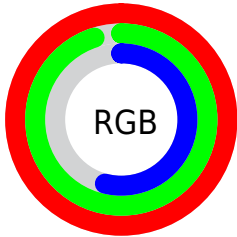
Format	Color
R_{YB}	153, 255, 138
Decimal	16773770
CIE _{Lab}	94.57, -9.31, 51.51
CIE _{LCh}	95, 52.342, 100.241
Yxy	86.5992, 0.3863, 0.4312
Android (android.graphics.Color)	4294963850 (0xFFFFF28A)
YUV	234.0310, -47.3433, 18.3898
Hunter-Lab	93.0587, -14.0396, 41.7892

Details

The Yxy color **86.5992, 0.3863, 0.4312** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **34.7363, 0.2281, 0.2002**, and the grayscale version is **82.6426, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.6303, 0.3496, 0.3900**, and **47.5095, 0.3996, 0.4524** is the 20% darker color. If you saturate the color by 10%, you get **84.2734, 0.4013, 0.4503**, and if you desaturate by 10%, it is **89.1254, 0.3702, 0.4099**.

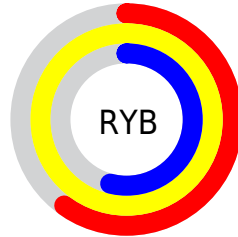
Distribution



Red (100%)

Green (95%)

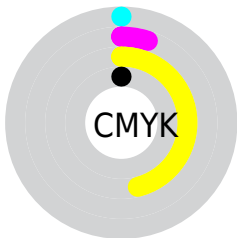
Blue (54%)



Red (60%)

Yellow (100%)

Blue (54%)

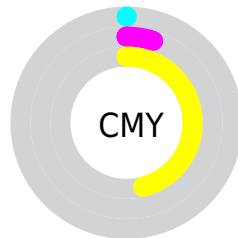


Cyan (0%)

Magenta (5%)

Yellow (46%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.5992, 0.3863, 0.4312 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 86.5992, 0.3863, 0.4312 by changing the saturation by 10% instead.


 86.5992, 0.3863,
0.4312

 86.5992, 0.3863,
0.4312


516.9049, 0.3551,
0.3859

 65.1636, 0.3925,
0.4408


 142.6054, 0.3762,
0.4161

 47.5937, 0.3997,
0.4521


 177.9447, 0.3720,
0.4100

 33.5053, 0.4080,
0.4657


 218.6874, 0.3683,
0.4047

 22.5138, 0.4174,
0.4820

265.2178, 0.3651,
0.4000

 14.2349, 0.4275,
0.5015

317.9204, 0.3622,
0.3959

 8.2842, 0.4384,
0.5257

377.1795, 0.3596,

 4.2774, 0.4465,

0.3922

0.5535

443.3796, 0.3572,
0.3889

■ 1.8299, 0.4328,
0.5672

■ 0.5057, 0.3339,
0.6661

■ 86.5992, 0.3863,
0.4312

■ 86.5992, 0.3863,
0.4312

■ 84.2734, 0.4013,
0.4503

■ 89.1254, 0.3702,
0.4099

■ 82.1342, 0.4146,
0.4662

■ 91.8617, 0.3537,
0.3873

■ 80.1679, 0.4255,
0.4779

■ 94.8191, 0.3373,
0.3644

■ 78.3582, 0.4337,
0.4852

■ 98.0070, 0.3216,
0.3419

■ 76.6847, 0.4391,
0.4880

100.0000, 0.3127,
0.3290

■ 76.0258, 0.4407,
0.4883

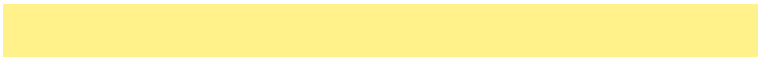
Harmonies

Analogous

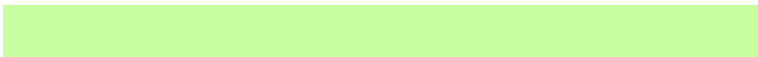
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.5992, 0.4234, 0.3993



86.5992, 0.3863, 0.4312



86.5992, 0.3314, 0.4348

Triad

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



86.5992, 0.3863, 0.4312



86.5992, 0.2084, 0.2851



86.5992, 0.3453, 0.2704

Complementary

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



86.5992, 0.3863, 0.4312



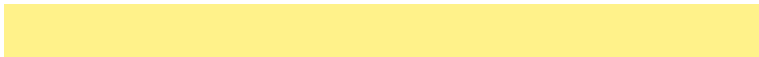
34.7363, 0.2281, 0.2002

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.



86.5992, 0.2851, 0.2442



86.5992, 0.3863, 0.4312



86.5992, 0.2112, 0.2489

Square

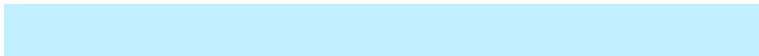
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.5992, 0.3863, 0.4312



86.5992, 0.2301, 0.3412



86.5992, 0.2376, 0.2359



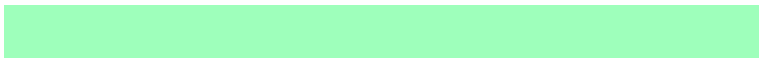
86.5992, 0.4003, 0.3096

Rectangle

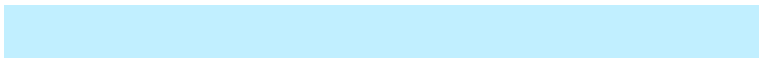
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.5992, 0.3863, 0.4312



86.5992, 0.2926, 0.4158



86.5992, 0.2376, 0.2359



86.5992, 0.3247, 0.2600

Sweetspot

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



86.5997, 0.3863, 0.4312



95.4071, 0.3343, 0.3601



41.6776, 0.4231, 0.3151



20.2783, 0.3378, 0.3650



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

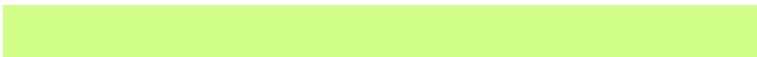
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.5997, 0.3863, 0.4312



84.4751, 0.4000, 0.4487



87.0746, 0.3500, 0.4551



20.7258, 0.3272, 0.3499



39.8633, 0.4403, 0.4886



3.9755, 0.4376, 0.4907

Inverse Universe

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



34.7363, 0.2281, 0.2002



26.8994, 0.2095, 0.1702



35.4287, 0.2575, 0.1957



17.7023, 0.2979, 0.3072



4.3177, 0.1522, 0.0677



0.5210, 0.1560, 0.0817

Previews

White Background



This preview shows how the Yxy color 86.5992, 0.3863, 0.4312 looks on a white background.

Color Contrast Check

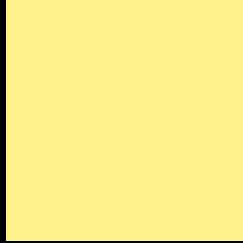
Large Text (above 18pt) WCAG AA × Fail

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 86.5992, 0.3863, 0.4312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

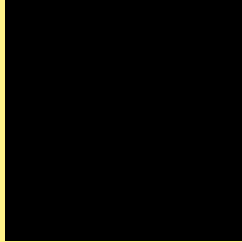
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.5992, 0.3863, 0.4312

Background



This preview shows how black text looks on a background with the Yxy color 86.5992, 0.3863, 0.4312.

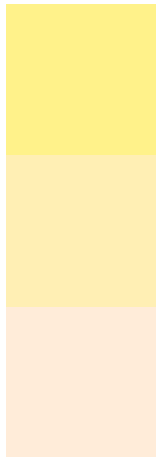


This preview shows how white text looks on a background with the Yxy color 86.5992, 0.3863, 0.4312.

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

86.5992, 0.3863, 0.4312

Protanopia

86.2883, 0.3615, 0.3883

Deuteranopia

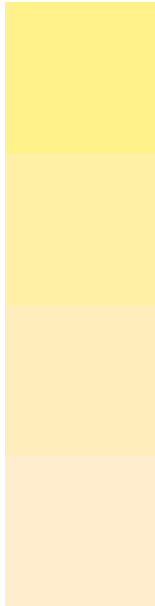
86.2607, 0.3379, 0.3480



Tritanopia

86.6373, 0.3206, 0.3193

Trichromacy



Original Color

86.5992, 0.3863, 0.4312

Protanomaly

86.2968, 0.3708, 0.4041

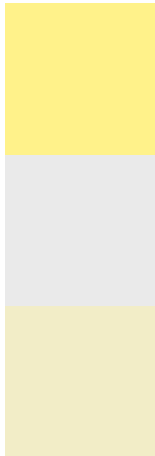
Deuteranomaly

86.0399, 0.3566, 0.3793

Tritanomaly

86.2362, 0.3456, 0.3611

Monochromacy



Original Color

86.5992, 0.3863, 0.4312

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

83.5691, 0.3403, 0.3684

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.5992, 0.3863, 0.4312 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, 242, 138)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 138)  
}
```

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, 242, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 138) }
```

Border

The CSS property to change the border of an element to Yxy 86.5992, 0.3863, 0.4312 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, 242, 138) }
```

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

```
.border{ border-color:rgb(255, 242, 138) }
```

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

Here you see how a box with a 4 pixel rgb(255, 242, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 138);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 86.5992, 0.3863, 0.4312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 138) }
```

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

```
.background{ background-color: rgb(255,  
242, 138) }
```

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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