

Converting Colors

$Y_{xy}(126.1703, 0.4715, 0.3839)$

Have a look what the booklet for
Yxy(126.1703, 0.4715, 0.3839)
contains.

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Color

Yxy(87.1646, 0.3757, 0.4145)

Conversions

Conversions Part 1

Format	Color
Hex	FFF29C
RGB	255, 242, 156
RGB Percent	100%, 95%, 61%
CMY	0.0000, 0.0510, 0.3882
CMYK	0.00, 0.05, 0.39, 0.00
HSL	52°, 100%, 81%
HSV	52°, 39%, 100%
XYZ	79.0054, 87.1646, 44.1185
YIQ	236.0830, 35.3540, -23.9900

Conversions

Conversions Part 2

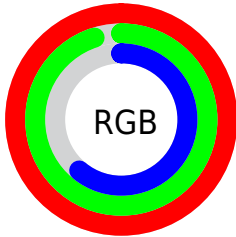
Format	Color
RYB	171, 255, 156
Decimal	16773788
CIELab	94.81, -7.50, 43.05
CIELCh	95, 43.701, 99.882
Yxy	87.1646, 0.3757, 0.4145
Android (android.graphics.Color)	4294963868 (0xFFFFF29C)
YUV	236.0830, -39.4809, 16.5902
Hunter-Lab	93.3620, -12.3320, 37.3357

Details

The Yxy color **87.1646, 0.3757, 0.4145** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **42.6739, 0.2431, 0.2257**, and the grayscale version is **84.2323, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4831, 0.3388, 0.3721**, and **47.9674, 0.3883, 0.4328** is the 20% darker color. If you saturate the color by 10%, you get **84.4088, 0.3920, 0.4350**, and if you desaturate by 10%, it is **90.1301, 0.3589, 0.3926**.

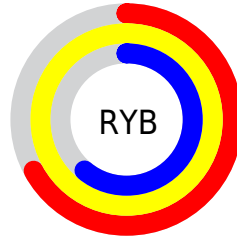
Distribution



Red (100%)

Green (95%)

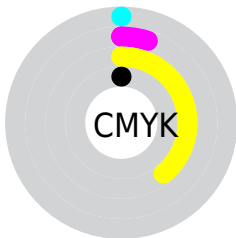
Blue (61%)



Red (67%)

Yellow (100%)

Blue (61%)

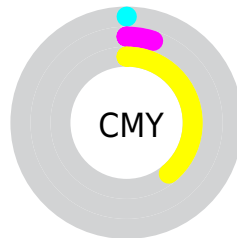


Cyan (0%)

Magenta (5%)

Yellow (39%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.1646, 0.3757, 0.4145 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 87.1646, 0.3757, 0.4145 by changing the saturation by 10% instead.

 87.1646, 0.3757,
0.4145


 87.1646, 0.3757,
0.4145

518.7636, 0.3485,
0.3764

 65.6314, 0.3813,
0.4227

 143.3935, 0.3667,
0.4016

 47.9733, 0.3879,
0.4326

 178.8581, 0.3631,
0.3965

 33.8057, 0.3958,
0.4445


219.7353, 0.3599,
0.3921

 22.7444, 0.4051,
0.4592

266.4094, 0.3571,
0.3882

 14.4049, 0.4160,
0.4775

319.2649, 0.3546,
0.3847

 8.4028, 0.4282,
0.5002

378.6862, 0.3523,

 4.3538, 0.4547,

0.3816

0.5453

445.0576, 0.3503,
0.3789

■ 1.8734, 0.4439,
0.5561

■ 0.5323, 0.3775,
0.6225

■ 87.1646, 0.3757,
0.4145

■ 87.1646, 0.3757,
0.4145

■ 84.4088, 0.3920,
0.4350

■ 90.1301, 0.3589,
0.3926

■ 81.8633, 0.4071,
0.4529

■ 93.3283, 0.3422,
0.3702

■ 79.5112, 0.4204,
0.4675

■ 96.7648, 0.3262,
0.3480

■ 77.3376, 0.4312,
0.4777

100.0000, 0.3127,
0.3290

■ 75.3252, 0.4392,
0.4834

■ 73.4489, 0.4445,
0.4848

■ 73.2322, 0.4451,
0.4848

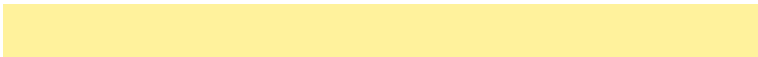
Harmonies

Analogous

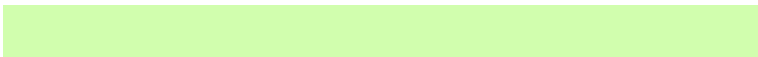
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.1646, 0.4058, 0.3891



87.1646, 0.3757, 0.4145



87.1646, 0.3299, 0.4161

Triad

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



87.1646, 0.3757, 0.4145



87.1646, 0.2243, 0.2936



87.1646, 0.3396, 0.2790

Complementary

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



87.1646, 0.3757, 0.4145



42.6739, 0.2431, 0.2257

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.



87.1646, 0.2894, 0.2566



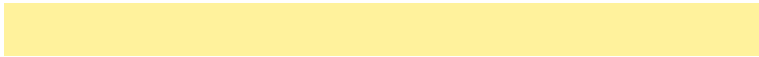
87.1646, 0.3757, 0.4145



87.1646, 0.2263, 0.2621

Square

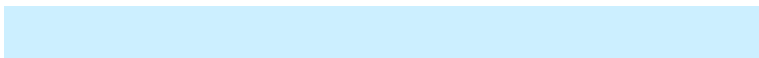
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.1646, 0.3757, 0.4145



87.1646, 0.2437, 0.3404



87.1646, 0.2490, 0.2500



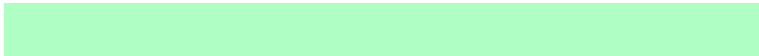
87.1646, 0.3852, 0.3128

Rectangle

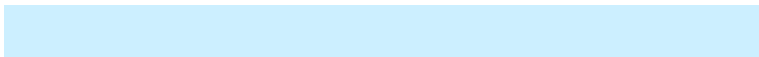
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.1646, 0.3757, 0.4145



87.1646, 0.2972, 0.4004



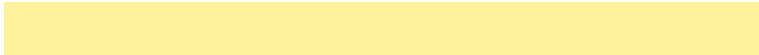
87.1646, 0.2490, 0.2500



87.1646, 0.3226, 0.2701

Sweetspot

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



87.1605, 0.3757, 0.4145



95.6447, 0.3312, 0.3550



47.9146, 0.3970, 0.3154



20.3750, 0.3333, 0.3579



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

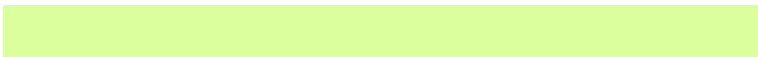
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.1605, 0.3757, 0.4145



84.8932, 0.3891, 0.4314



88.9353, 0.3463, 0.4344



20.6594, 0.3272, 0.3495



38.4241, 0.4446, 0.4852



3.8495, 0.4413, 0.4878

Inverse Universe

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



42.6739, 0.2431, 0.2257



34.4843, 0.2264, 0.1996



42.2490, 0.2667, 0.2177



17.7624, 0.2979, 0.3077



4.4735, 0.1528, 0.0699



0.5492, 0.1571, 0.0855

Previews

White Background



This preview shows how the Yxy color 87.1646, 0.3757, 0.4145 looks on a white background.

Color Contrast Check

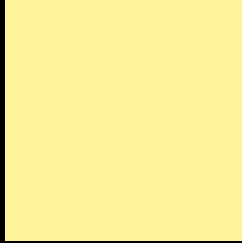
Large Text (above 18pt) WCAG AA × Fail

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 87.1646, 0.3757, 0.4145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

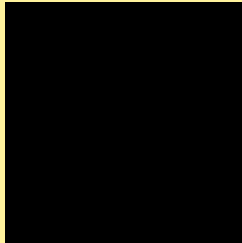
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.1646, 0.3757, 0.4145

Background



This preview shows how black text looks on a background with the Yxy color 87.1646, 0.3757, 0.4145.



This preview shows how white text looks on a background with the Yxy color 87.1646, 0.3757, 0.4145.

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

87.1646, 0.3757, 0.4145

Protanopia

87.0830, 0.3580, 0.3842

Deuteranopia

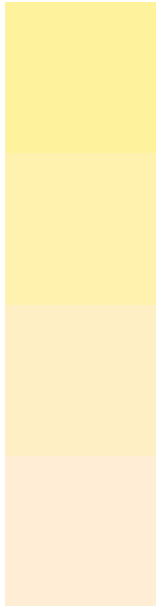
86.9957, 0.3358, 0.3459



Tritanopia

87.2692, 0.3199, 0.3193

Trichromacy



Original Color

87.1646, 0.3757, 0.4145

Protanomaly

87.2266, 0.3648, 0.3961

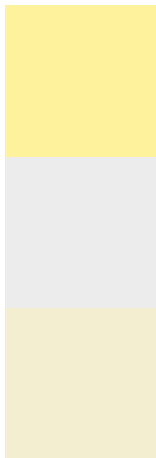
Deuteranomaly

87.0242, 0.3505, 0.3711

Tritanomaly

87.2132, 0.3402, 0.3539

Monochromacy



Original Color

87.1646, 0.3757, 0.4145

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.7088, 0.3357, 0.3609

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.1646, 0.3757, 0.4145 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, 156)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 156)  
}
```

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, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 156) }
```

Border

The CSS property to change the border of an element to Yxy 87.1646, 0.3757, 0.4145 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, 156) }
```

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

```
.border{ border-color:rgb(255, 242, 156) }
```

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, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 156);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 87.1646, 0.3757, 0.4145 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, 156) }
```

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

```
.background{ background-color: rgb(255,  
242, 156) }
```

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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