

Converting Colors

$Yxy(85.6853, 0.3916, 0.4378)$

Have a look what the booklet for
Yxy(85.6853, 0.3916, 0.4378)
contains.

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Color

Yxy(85.7556, 0.3917, 0.4382)

Conversions

Conversions Part 1

Format	Color
Hex	FFF181
RGB	255, 241, 129
RGB Percent	100%, 95%, 51%
CMY	0.0000, 0.0549, 0.4940
CMYK	0.00, 0.05, 0.49, 0.00
HSL	53°, 100%, 75%
HSV	53°, 49%, 100%
XYZ	76.6556, 85.7556, 33.2885
YIQ	232.4180, 44.2960, -31.8640

Conversions

Conversions Part 2

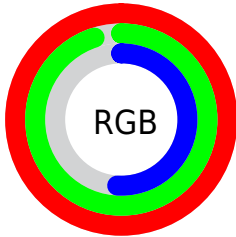
Format	Color
R _Y B	145, 255, 129
Decimal	16773505
CIE Lab	94.21, -9.62, 55.28
CIE LCh	94, 56.111, 99.872
Yxy	85.7556, 0.3917, 0.4382
Android (android.graphics.Color)	4294963585 (0xFFFFFFFF181)
YUV	232.4180, -50.9851, 19.8044
Hunter-Lab	92.6043, -14.2997, 43.5100

Details

The Yxy color **85.7556, 0.3917, 0.4382** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **31.5337, 0.2209, 0.1886**, and the grayscale version is **81.3933, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2407, 0.3550, 0.3988**, and **46.9555, 0.4057, 0.4599** is the 20% darker color. If you saturate the color by 10%, you get **83.5015, 0.4062, 0.4563**, and if you desaturate by 10%, it is **88.2128, 0.3759, 0.4175**.

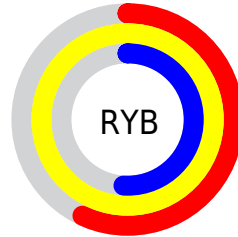
Distribution



Red (100%)

Green (95%)

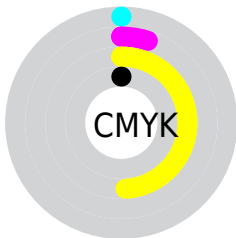
Blue (51%)



Red (57%)

Yellow (100%)

Blue (51%)

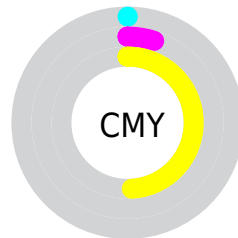


Cyan (0%)

Magenta (5%)

Yellow (49%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.7556, 0.3917, 0.4382 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 85.7556, 0.3917, 0.4382 by changing the saturation by 10% instead.


 85.7556, 0.3917,
0.4382

 85.7556, 0.3917,
0.4382


514.1250, 0.3584,
0.3900


 64.4659, 0.3982,
0.4483


 141.4284, 0.3810,
0.4222

 47.0281, 0.4057,
0.4601


 176.5803, 0.3766,
0.4157

 33.0579, 0.4141,
0.4742


 217.1216, 0.3727,
0.4101

 22.1708, 0.4234,
0.4908

263.4369, 0.3692,
0.4051

 13.9825, 0.4330,
0.5102

315.9105, 0.3661,
0.4007

 8.1085, 0.4456,
0.5373

374.9268, 0.3633,

 4.1644, 0.4447,

0.3967

0.5553

440.8701, 0.3607,
0.3932

■ 1.7660, 0.4302,
0.5698

■ 0.4658, 0.3086,
0.6914

■ 85.7556, 0.3917,
0.4382

■ 85.7556, 0.3917,
0.4382

■ 83.5015, 0.4062,
0.4563

■ 88.2128, 0.3759,
0.4175

■ 81.4257, 0.4187,
0.4708

■ 90.8729, 0.3595,
0.3953

■ 79.5174, 0.4287,
0.4810

■ 93.7504, 0.3430,
0.3724

■ 77.7590, 0.4359,
0.4867

■ 96.8551, 0.3270,
0.3497

■ 76.1237, 0.4405,
0.4882

99.9976, 0.3127,
0.3290

■ 76.0276, 0.4407,
0.4883

Harmonies

Analogous

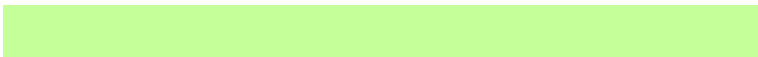
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.7556, 0.4315, 0.4029



85.7556, 0.3917, 0.4382



85.7556, 0.3329, 0.4436

Triad

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



85.7556, 0.3917, 0.4382



85.7556, 0.2015, 0.2820



85.7556, 0.3467, 0.2660

Complementary

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



85.7556, 0.3917, 0.4382



31.5337, 0.2209, 0.1886

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.



85.7556, 0.2822, 0.2385



85.7556, 0.3917, 0.4382



85.7556, 0.2043, 0.2434

Square

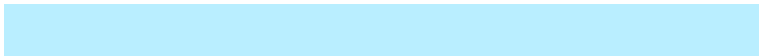
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.7556, 0.3917, 0.4382



85.7556, 0.2247, 0.3426



85.7556, 0.2319, 0.2298



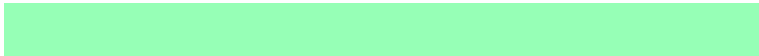
85.7556, 0.4064, 0.3073

Rectangle

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



85.7556, 0.3917, 0.4382



85.7556, 0.2914, 0.4236



85.7556, 0.2319, 0.2298



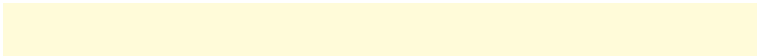
85.7556, 0.3246, 0.2550

Sweetspot

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



85.7596, 0.3917, 0.4382



95.0984, 0.3359, 0.3624



38.9696, 0.4362, 0.3142



20.2166, 0.3393, 0.3672



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

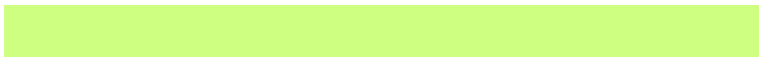
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.7596, 0.3917, 0.4382



83.5975, 0.4056, 0.4556



86.3201, 0.3520, 0.4649



20.7261, 0.3272, 0.3499



39.8686, 0.4403, 0.4886



3.9759, 0.4376, 0.4907

Inverse Universe

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



31.5337, 0.2209, 0.1886



23.9305, 0.2016, 0.1572



32.3097, 0.2521, 0.1847



17.7021, 0.2979, 0.3072



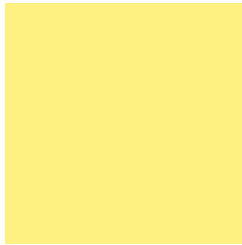
4.3172, 0.1522, 0.0677



0.5209, 0.1560, 0.0817

Previews

White Background



This preview shows how the Yxy color 85.7556, 0.3917, 0.4382 looks on a white background.

Color Contrast Check

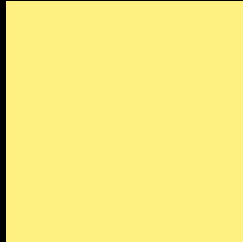
Large Text (above 18pt) WCAG AA × Fail

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 85.7556, 0.3917, 0.4382 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 85.7556, 0.3917, 0.4382

Background



This preview shows how black text looks on a background with the Yxy color 85.7556, 0.3917, 0.4382.



This preview shows how white text looks on a background with the Yxy color 85.7556, 0.3917, 0.4382.

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

85.7556, 0.3917, 0.4382

Protanopia

85.4262, 0.3663, 0.3944

Deuteranopia

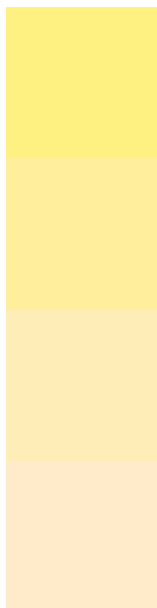
85.5317, 0.3400, 0.3500



Tritanopia

85.3840, 0.3220, 0.3192

Trichromacy



Original Color

85.7556, 0.3917, 0.4382

Protanomaly

85.4273, 0.3761, 0.4109

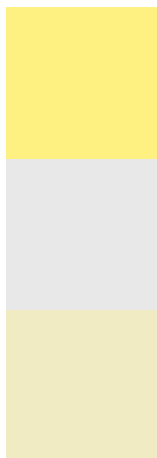
Deuteranomaly

85.2473, 0.3601, 0.3834

Tritanomaly

84.8937, 0.3486, 0.3632

Monochromacy



Original Color

85.7556, 0.3917, 0.4382

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.8821, 0.3419, 0.3708

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.7556, 0.3917, 0.4382 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, 241, 129)` looks like.

```
.text, #text, p{  
    color:rgb(255, 241, 129)  
}
```

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, 241, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 241, 129) }
```

Border

The CSS property to change the border of an element to Yxy 85.7556, 0.3917, 0.4382 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, 241, 129) }
```

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

```
.border{ border-color:rgb(255, 241, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 241, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 241, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 241, 129);  
box-shadow:4px 4px 4px 4px rgb(255, 241,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 85.7556, 0.3917, 0.4382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 241, 129) }
```

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

```
.background{ background-color: rgb(255,  
241, 129) }
```

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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