

Converting Colors

$Yxy(86.3412, 0.3734, 0.4086)$

Have a look what the booklet for
Yxy(86.3412, 0.3734, 0.4086)
contains.

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Color

Yxy(86.1534, 0.3733, 0.4080)

Conversions

Conversions Part 1

Format	Color
Hex	FFF0A1
RGB	255, 240, 161
RGB Percent	100%, 94%, 63%
CMY	0.0001, 0.0588, 0.3687
CMYK	0.00, 0.06, 0.37, 0.00
HSL	50°, 100%, 82%
HSV	50°, 37%, 100%
XYZ	78.8261, 86.1534, 46.1808
YIQ	235.4790, 34.2990, -21.3890

Conversions

Conversions Part 2

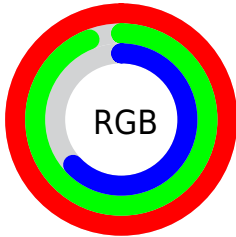
Format	Color
R _Y B	179, 255, 161
Decimal	16773281
CIE Lab	94.38, -6.00, 40.04
CIE LCh	94, 40.487, 98.525
Yxy	86.1534, 0.3733, 0.4080
Android (android.graphics.Color)	4294963361 (0xFFFFF0A1)
YUV	235.4790, -36.7181, 17.1199
Hunter-Lab	92.8189, -10.8424, 35.4743

Details

The Yxy color **86.1534, 0.3733, 0.4080** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **45.8218, 0.2475, 0.2350**, and the grayscale version is **83.7271, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7898, 0.3352, 0.3661**, and **47.2340, 0.3857, 0.4249** is the 20% darker color. If you saturate the color by 10%, you get **82.9839, 0.3903, 0.4283**, and if you desaturate by 10%, it is **89.5677, 0.3561, 0.3865**.

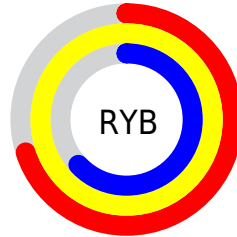
Distribution



Red (100%)

Green (94%)

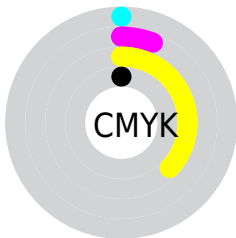
Blue (63%)



Red (70%)

Yellow (100%)

Blue (63%)

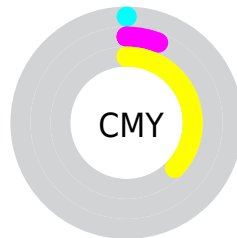


Cyan (0%)

Magenta (6%)

Yellow (37%)

Black (0%)



Cyan (0%)


Magenta (6%)


Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.1534, 0.3733, 0.4080 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 86.1534, 0.3733, 0.4080 by changing the saturation by 10% instead.

 86.1534, 0.3733,
0.4080

 86.1534, 0.3733,
0.4080


515.4369, 0.3469,
0.3727

 64.7948, 0.3788,
0.4156


 141.9835, 0.3645,
0.3961

 47.2947, 0.3854,
0.4248


 177.2239, 0.3610,
0.3913

 33.2687, 0.3933,
0.4360


217.8603, 0.3579,
0.3872

 22.3324, 0.4027,
0.4499

264.2771, 0.3552,
0.3836

 14.1013, 0.4141,
0.4673

316.8588, 0.3528,
0.3804

 8.1912, 0.4274,
0.4892

375.9898, 0.3506,

 4.2175, 0.4530,

0.3775

0.5295

442.0543, 0.3486,
0.3750

■ 1.7960, 0.4523,
0.5477

■ 0.4847, 0.3933,
0.6067

■ 86.1534, 0.3733,
0.4080

■ 86.1534, 0.3733,
0.4080

■ 82.9839, 0.3903,
0.4283

■ 89.5677, 0.3561,
0.3865

■ 80.0358, 0.4065,
0.4465

■ 93.2255, 0.3392,
0.3647

■ 77.3002, 0.4211,
0.4614

■ 97.1407, 0.3232,
0.3432

■ 74.7627, 0.4334,
0.4722

99.9964, 0.3127,
0.3290

■ 72.4063, 0.4429,
0.4784

■ 70.2096, 0.4495,
0.4800

■ 69.5444, 0.4512,
0.4800

Harmonies

Analogous

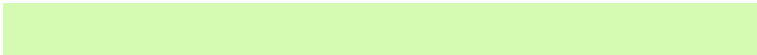
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.1534, 0.4002, 0.3841



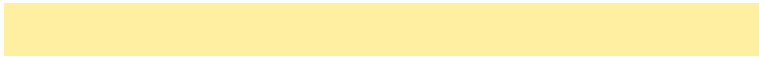
86.1534, 0.3733, 0.4080



86.1534, 0.3311, 0.4102

Triad

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



86.1534, 0.3733, 0.4080



86.1534, 0.2304, 0.2981



86.1534, 0.3357, 0.2810

Complementary

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



86.1534, 0.3733, 0.4080



45.8218, 0.2475, 0.2350

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.



86.1534, 0.2892, 0.2606



86.1534, 0.3733, 0.4080



86.1534, 0.2313, 0.2676

Square

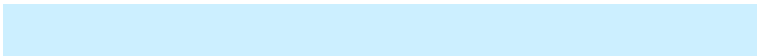
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.1534, 0.3733, 0.4080



86.1534, 0.2496, 0.3418



86.1534, 0.2519, 0.2553



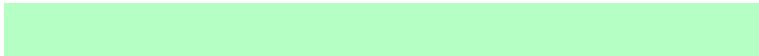
86.1534, 0.3785, 0.3125

Rectangle

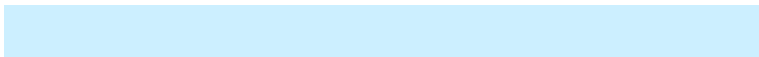
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.1534, 0.3733, 0.4080



86.1534, 0.3005, 0.3964



86.1534, 0.2519, 0.2553



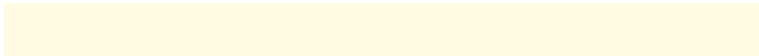
86.1534, 0.3199, 0.2728

Sweetspot

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



86.1573, 0.3733, 0.4080



95.5069, 0.3297, 0.3520



49.8980, 0.3878, 0.3127



20.3286, 0.3319, 0.3549



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

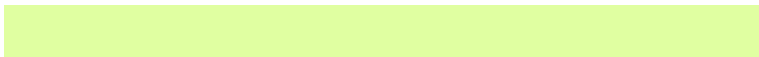
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.1573, 0.3733, 0.4080



83.8843, 0.3855, 0.4227



89.8712, 0.3469, 0.4282



20.5691, 0.3273, 0.3488



36.5287, 0.4506, 0.4804



3.6829, 0.4464, 0.4837

Inverse Universe

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



45.8218, 0.2475, 0.2350



38.4142, 0.2332, 0.2131



43.9473, 0.2672, 0.2232



17.8447, 0.2979, 0.3084



4.7241, 0.1537, 0.0733



0.5877, 0.1585, 0.0906

Previews

White Background



This preview shows how the Yxy color 86.1534, 0.3733, 0.4080 looks on a white background.

Color Contrast Check

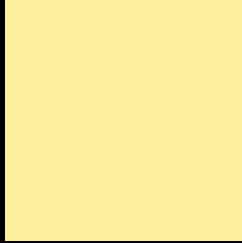
Large Text (above 18pt) WCAG AA × Fail

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 86.1534, 0.3733, 0.4080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

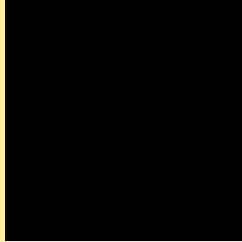
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.1534, 0.3733, 0.4080

Background



This preview shows how black text looks on a background with the Yxy color 86.1534, 0.3733, 0.4080.

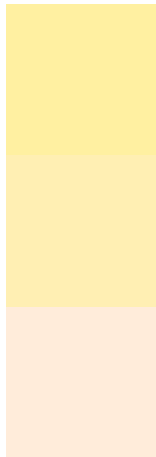


This preview shows how white text looks on a background with the Yxy color 86.1534, 0.3733, 0.4080.

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

86.1534, 0.3733, 0.4080

Protanopia

86.2477, 0.3622, 0.3893

Deuteranopia

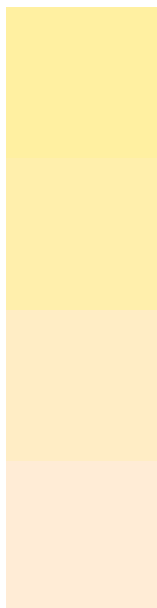
86.3129, 0.3372, 0.3470



Tritanopia

86.0695, 0.3207, 0.3183

Trichromacy



Original Color

86.1534, 0.3733, 0.4080

Protanomaly

85.9716, 0.3667, 0.3963

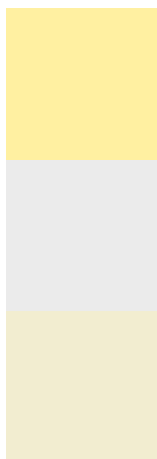
Deuteranomaly

85.8596, 0.3509, 0.3692

Tritanomaly

86.1059, 0.3398, 0.3510

Monochromacy



Original Color

86.1534, 0.3733, 0.4080

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.9997, 0.3345, 0.3589

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.1534, 0.3733, 0.4080 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, 240, 161)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 161)  
}
```

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, 240, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 161) }
```

Border

The CSS property to change the border of an element to Yxy 86.1534, 0.3733, 0.4080 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, 240, 161) }
```

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

```
.border{ border-color:rgb(255, 240, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 240, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 161);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 86.1534, 0.3733, 0.4080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 240, 161) }
```

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

```
.background{ background-color: rgb(255,  
240, 161) }
```

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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