

Converting Colors

$Yxy(84.7686, 0.3679, 0.3954)$

Have a look what the booklet for
Yxy(84.7686, 0.3679, 0.3954)
contains.

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Color

Yxy(84.7686, 0.3679, 0.3954)

Conversions

Conversions Part 1

Format	Color
Hex	FFEDAB
RGB	255, 237, 171
RGB Percent	100%, 93%, 67%
CMY	0.0001, 0.0706, 0.3293
CMYK	0.00, 0.07, 0.33, 0.00
HSL	47°, 100%, 84%
HSV	47°, 33%, 100%
XYZ	78.8730, 84.7686, 50.7454
YIQ	234.8580, 31.9140, -16.7100

Conversions

Conversions Part 2

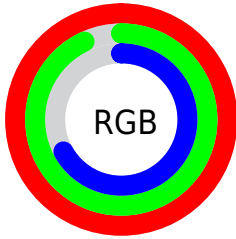
Format	Color
RYB	194, 255, 171
Decimal	16772523
CIELab	93.78, -3.35, 34.22
CIELCh	94, 34.382, 95.585
Yxy	84.7686, 0.3679, 0.3954
Android (android.graphics.Color)	4294962603 (0xFFFFEADAB)
YUV	234.8580, -31.4820, 17.6645
Hunter-Lab	92.0699, -8.2077, 31.7705

Details

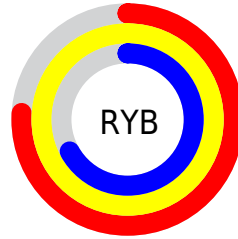
The Yxy color **84.7686, 0.3679, 0.3954** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **52.2770, 0.2560, 0.2523**, and the grayscale version is **83.1926, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3261, 0.3292, 0.3562**, and **46.2261, 0.3794, 0.4096** is the 20% darker color. If you saturate the color by 10%, you get **80.7781, 0.3861, 0.4152**, and if you desaturate by 10%, it is **89.0507, 0.3500, 0.3749**.

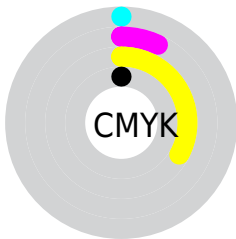
Distribution



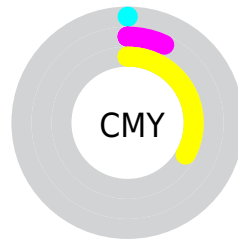
- Red (100%)
- Green (93%)
- Blue (67%)



- Red (76%)
- Yellow (100%)
- Blue (67%)



- Cyan (0%)
- Magenta (7%)
- Yellow (33%)
- Black (0%)





- Cyan (0%)
- Magenta (7%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.7686, 0.3679, 0.3954 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 84.7686, 0.3679, 0.3954 by changing the saturation by 10% instead.

 84.7686, 0.3679,
0.3954

 84.7686, 0.3679,
0.3954


510.8621, 0.3435,
0.3656

 63.6502, 0.3731,
0.4019


 140.0498, 0.3597,
0.3853

 46.3674, 0.3794,
0.4097


174.9814, 0.3564,
0.3813

 32.5359, 0.3871,
0.4194


215.2863, 0.3536,
0.3778

 21.7711, 0.3965,
0.4314

261.3487, 0.3511,
0.3748

 13.6888, 0.4083,
0.4467

313.5531, 0.3488,
0.3721

 7.9046, 0.4230,
0.4665

372.2838, 0.3469,

 4.0339, 0.4449,

0.3697

0.4966

437.9254, 0.3451,
0.3676

■ 1.6926, 0.4675,
0.5325

■ 0.4188, 0.4303,
0.5697

■ 84.7686, 0.3679,
0.3954

■ 84.7686, 0.3679,
0.3954

■ 80.7781, 0.3861,
0.4152

■ 89.0507, 0.3500,
0.3749

■ 77.0559, 0.4042,
0.4335

■ 93.6235, 0.3330,
0.3544

■ 73.5930, 0.4212,
0.4490

■ 98.5011, 0.3171,
0.3346

■ 70.3753, 0.4364,
0.4608

99.9974, 0.3127,
0.3290

■ 67.3864, 0.4491,
0.4680

■ 64.6065, 0.4587,
0.4705

■ 62.7467, 0.4640,
0.4698

Harmonies

Analogous

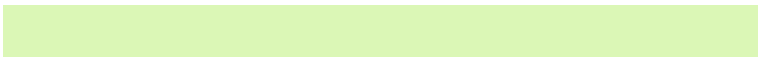
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.7686, 0.3888, 0.3743



84.7686, 0.3679, 0.3954



84.7686, 0.3328, 0.3986

Triad

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



84.7686, 0.3679, 0.3954



84.7686, 0.2426, 0.3064



84.7686, 0.3287, 0.2853

Complementary

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



84.7686, 0.3679, 0.3954



52.2770, 0.2560, 0.2523

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.



84.7686, 0.2891, 0.2686



84.7686, 0.3679, 0.3954



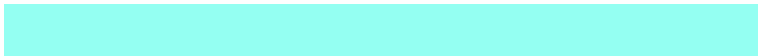
84.7686, 0.2416, 0.2785

Square

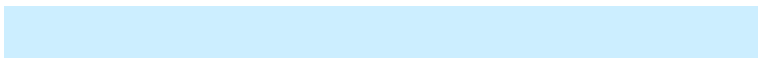
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.7686, 0.3679, 0.3954



84.7686, 0.2611, 0.3441



84.7686, 0.2580, 0.2657



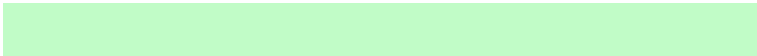
84.7686, 0.3658, 0.3121

Rectangle

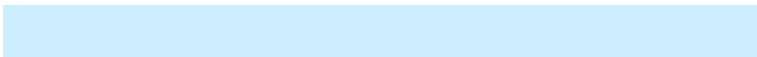
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.7686, 0.3679, 0.3954



84.7686, 0.3065, 0.3881



84.7686, 0.2580, 0.2657



84.7686, 0.3151, 0.2784

Sweetspot

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



84.7725, 0.3679, 0.3954



95.0308, 0.3282, 0.3485



54.0770, 0.3728, 0.3101



20.1963, 0.3305, 0.3514



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

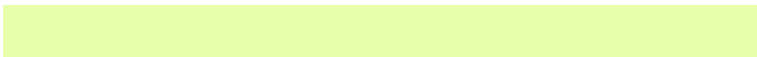
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.7725, 0.3679, 0.3954



81.9285, 0.3808, 0.4096



91.4744, 0.3464, 0.4162



20.3916, 0.3274, 0.3476



33.0175, 0.4631, 0.4705



3.3714, 0.4571, 0.4752

Inverse Universe

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



52.2770, 0.2560, 0.2523



44.5899, 0.2423, 0.2324



47.9327, 0.2700, 0.2350



18.0080, 0.2979, 0.3097



5.3550, 0.1561, 0.0817



0.6721, 0.1615, 0.1014

Previews

White Background



This preview shows how the Yxy color 84.7686, 0.3679, 0.3954 looks on a white background.

Color Contrast Check

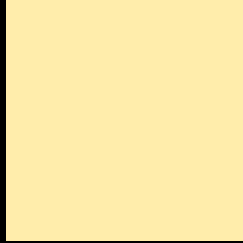
Large Text (above 18pt) WCAG AA × Fail

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 84.7686, 0.3679, 0.3954 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

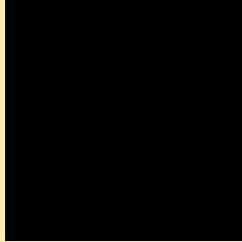
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.7686, 0.3679, 0.3954

Background



This preview shows how black text looks on a background with the Yxy color 84.7686, 0.3679, 0.3954.



This preview shows how white text looks on a background with the Yxy color 84.7686, 0.3679, 0.3954.

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

84.7686, 0.3679, 0.3954

Protanopia

84.8069, 0.3673, 0.3944

Deuteranopia

84.4441, 0.3397, 0.3470



Tritanopia

84.8829, 0.3214, 0.3173

Trichromacy

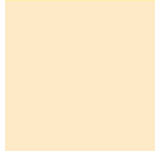


Original Color

84.7686, 0.3679, 0.3954

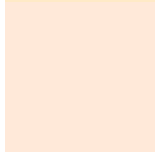
Protanomaly

84.8069, 0.3673, 0.3944



Deuteranomaly

84.2292, 0.3502, 0.3643



Tritanomaly

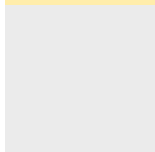
84.5476, 0.3383, 0.3450

Monochromacy



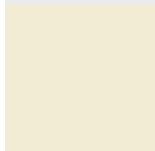
Original Color

84.7686, 0.3679, 0.3954



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

83.6216, 0.3320, 0.3537

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.7686, 0.3679, 0.3954 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, 237, 171)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 171)  
}
```

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, 237, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 171) }
```

Border

The CSS property to change the border of an element to Yxy 84.7686, 0.3679, 0.3954 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, 237, 171) }
```

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

```
.border{ border-color:rgb(255, 237, 171) }
```

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

Here you see how a box with a 4 pixel rgb(255, 237, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 171);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 84.7686, 0.3679, 0.3954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 237, 171) }
```

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

```
.background{ background-color: rgb(255,  
237, 171) }
```

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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