

Converting Colors

$Yxy(86.5137, 0.3818, 0.3967)$

Have a look what the booklet for
Yxy(86.5137, 0.3818, 0.3967)
contains.

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Color

Yxy(84.0041, 0.3715, 0.3995)

Conversions

Conversions Part 1

Format	Color
Hex	FFECA6
RGB	255, 236, 166
RGB Percent	100%, 93%, 65%
CMY	0.0000, 0.0745, 0.3492
CMYK	0.00, 0.07, 0.35, 0.00
HSL	47°, 100%, 83%
HSV	47°, 35%, 100%
XYZ	78.1165, 84.0041, 48.1525
YIQ	233.7010, 33.7940, -17.7420

Conversions

Conversions Part 2

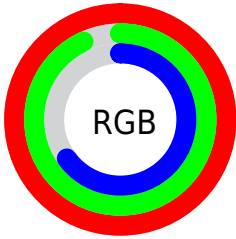
Format	Color
RYB	190, 255, 166
Decimal	16772262
CIELab	93.45, -3.43, 36.33
CIELCh	93, 36.496, 95.387
Yxy	84.0041, 0.3715, 0.3995
Android (android.graphics.Color)	4294962342 (0xFFFFECA6)
YUV	233.7010, -33.3766, 18.6792
Hunter-Lab	91.6538, -8.2586, 33.0082

Details

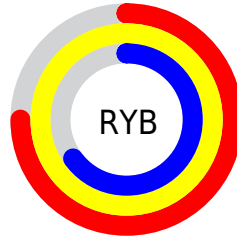
The Yxy color **84.0041, 0.3715, 0.3995** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **49.9998, 0.2522, 0.2467**, and the grayscale version is **82.2786, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0539, 0.3321, 0.3611**, and **45.7051, 0.3839, 0.4146** is the 20% darker color. If you saturate the color by 10%, you get **80.0777, 0.3897, 0.4191**, and if you desaturate by 10%, it is **88.2173, 0.3535, 0.3790**.

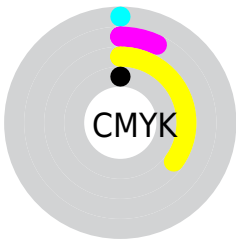
Distribution



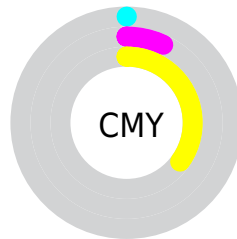
- Red (100%)
- Green (93%)
- Blue (65%)



- Red (75%)
- Yellow (100%)
- Blue (65%)



- Cyan (0%)
- Magenta (7%)
- Yellow (35%)
- Black (0%)





- Cyan (0%)
- Magenta (7%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.0041, 0.3715, 0.3995 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 84.0041, 0.3715, 0.3995 by changing the saturation by 10% instead.

 84.0041, 0.3715,
0.3995

 84.0041, 0.3715,
0.3995


508.3269, 0.3455,
0.3679

 63.0188, 0.3771,
0.4064


 138.9809, 0.3628,
0.3888

 45.8564, 0.3837,
0.4146


 173.7412, 0.3593,
0.3846

 32.1325, 0.3917,
0.4248


213.8620, 0.3563,
0.3809

 21.4628, 0.4016,
0.4374

259.7277, 0.3536,
0.3776

 13.4627, 0.4139,
0.4534

311.7226, 0.3512,
0.3748

 7.7479, 0.4289,
0.4737

370.2312, 0.3491,

 3.9341, 0.4546,

0.3722

0.5084

435.6378, 0.3472,
0.3700

■ 1.6368, 0.4668,
0.5332

■ 0.3822, 0.4225,
0.5775

■ 84.0041, 0.3715,
0.3995

■ 84.0041, 0.3715,
0.3995

■ 80.0777, 0.3897,
0.4191

■ 88.2173, 0.3535,
0.3790

■ 76.4174, 0.4076,
0.4369

■ 92.7194, 0.3363,
0.3585

■ 73.0132, 0.4243,
0.4518

■ 97.5235, 0.3202,
0.3385

■ 69.8503, 0.4390,
0.4627

100.0000, 0.3127,
0.3290

■ 66.9119, 0.4511,
0.4690

■ 64.1775, 0.4601,
0.4705

■ 62.8515, 0.4638,
0.4699

Harmonies

Analogous

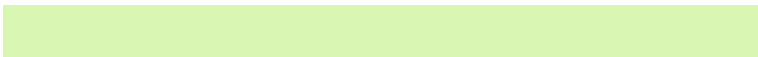
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.0041, 0.3937, 0.3767



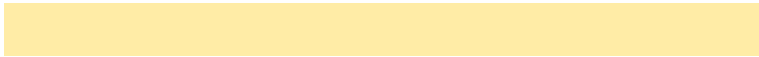
84.0041, 0.3715, 0.3995



84.0041, 0.3341, 0.4034

Triad

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



84.0041, 0.3715, 0.3995



84.0041, 0.2384, 0.3050



84.0041, 0.3293, 0.2826

Complementary

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



84.0041, 0.3715, 0.3995



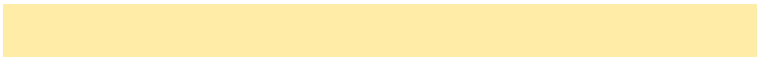
49.9998, 0.2522, 0.2467

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.



84.0041, 0.2873, 0.2650



84.0041, 0.3715, 0.3995



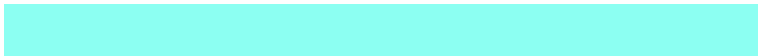
84.0041, 0.2372, 0.2754

Square

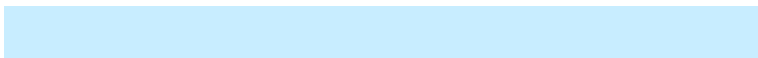
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.0041, 0.3715, 0.3995



84.0041, 0.2580, 0.3452



84.0041, 0.2544, 0.2619



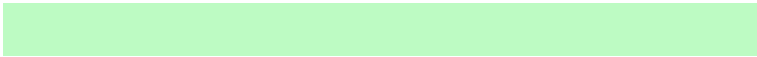
84.0041, 0.3690, 0.3108

Rectangle

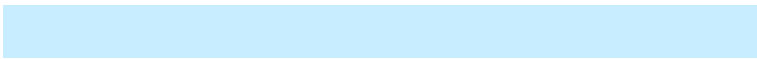
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.0041, 0.3715, 0.3995



84.0041, 0.3062, 0.3924



84.0041, 0.2544, 0.2619



84.0041, 0.3149, 0.2753

Sweetspot

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



84.0071, 0.3715, 0.3995



95.0438, 0.3282, 0.3486



52.0307, 0.3780, 0.3090



20.1995, 0.3305, 0.3514



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

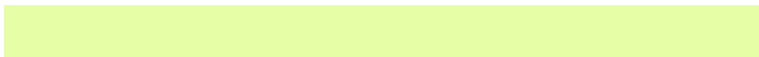
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.0071, 0.3715, 0.3995



81.1961, 0.3844, 0.4135



91.0569, 0.3483, 0.4217



20.3943, 0.3274, 0.3476



33.0677, 0.4629, 0.4706



3.3759, 0.4570, 0.4754

Inverse Universe

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



49.9998, 0.2522, 0.2467



42.5358, 0.2384, 0.2266



45.5779, 0.2669, 0.2286



18.0056, 0.2979, 0.3097



5.3442, 0.1560, 0.0816



0.6707, 0.1615, 0.1012

Previews

White Background



This preview shows how the Yxy color 84.0041, 0.3715, 0.3995 looks on a white background.

Color Contrast Check

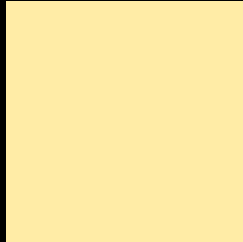
Large Text (above 18pt) WCAG AA × Fail

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 84.0041, 0.3715, 0.3995 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

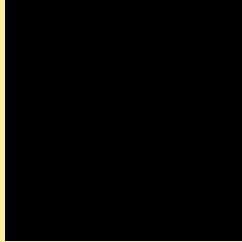
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.0041, 0.3715, 0.3995

Background



This preview shows how black text looks on a background with the Yxy color 84.0041, 0.3715, 0.3995.



This preview shows how white text looks on a background with the Yxy color 84.0041, 0.3715, 0.3995.

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

84.0041, 0.3715, 0.3995

Protanopia

84.0041, 0.3715, 0.3995

Deuteranopia

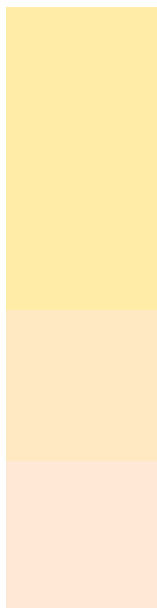
83.7267, 0.3418, 0.3491



Tritanopia

84.2045, 0.3228, 0.3182

Trichromacy



Original Color

84.0041, 0.3715, 0.3995

Protanomaly

84.0041, 0.3715, 0.3995

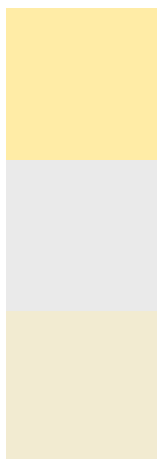
Deuteranomaly

83.4780, 0.3531, 0.3674

Tritanomaly

83.8283, 0.3405, 0.3471

Monochromacy



Original Color

84.0041, 0.3715, 0.3995

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.8974, 0.3341, 0.3559

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.0041, 0.3715, 0.3995 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, 236, 166)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 166)  
}
```

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, 236, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 166) }
```

Border

The CSS property to change the border of an element to Yxy 84.0041, 0.3715, 0.3995 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, 236, 166) }
```

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

```
.border{ border-color:rgb(255, 236, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 236, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 166);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 84.0041, 0.3715, 0.3995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 166) }
```

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

```
.background{ background-color: rgb(255,  
236, 166) }
```

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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