

Converting Colors

$Y_{xy}(86.0597, 0.3512, 0.3702)$

Have a look what the booklet for
Yxy(86.0597, 0.3512, 0.3702)
contains.

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Color

Yxy(85.8139, 0.3516, 0.3702)

Conversions

Conversions Part 1

Format	Color
Hex	FFEDC4
RGB	255, 237, 196
RGB Percent	100%, 93%, 77%
CMY	0.0000, 0.0706, 0.2314
CMYK	0.00, 0.07, 0.23, 0.00
HSL	42°, 100%, 88%
HSV	42°, 23%, 100%
XYZ	81.5023, 85.8139, 64.4879
YIQ	237.7080, 23.8890, -8.9350

Conversions

Conversions Part 2

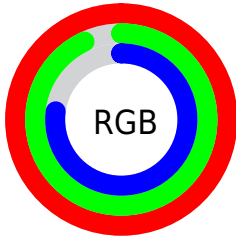
Format	Color
R _Y B	222, 255, 196
Decimal	16772548
CIE Lab	94.23, -0.12, 22.10
CIE LCh	94, 22.098, 90.308
Yxy	85.8139, 0.3516, 0.3702
Android (android.graphics.Color)	4294962628 (0xFFFFEDC4)
YUV	237.7080, -20.5620, 15.1651
Hunter-Lab	92.6358, -5.0657, 23.5706

Details

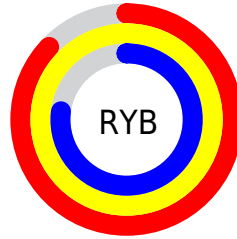
The Yxy color **85.8139, 0.3516, 0.3702** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **67.0507, 0.2748, 0.2841**, and the grayscale version is **85.4039, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8718, 0.3139, 0.3309**, and **47.0065, 0.3604, 0.3791** is the 20% darker color. If you saturate the color by 10%, you get **80.3333, 0.3707, 0.3887**, and if you desaturate by 10%, it is **91.6741, 0.3338, 0.3519**.

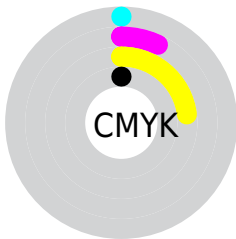
Distribution



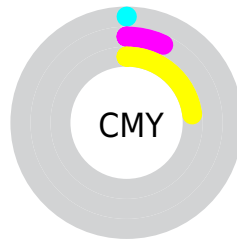
- Red (100%)
- Green (93%)
- Blue (77%)



- Red (87%)
- Yellow (100%)
- Blue (77%)



- Cyan (0%)
- Magenta (7%)
- Yellow (23%)
- Black (0%)





- Cyan (0%)
- Magenta (7%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.8139, 0.3516, 0.3702 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 85.8139, 0.3516, 0.3702 by changing the saturation by 10% instead.


 85.8139, 0.3516,
0.3702

 85.8139, 0.3516,
0.3702


514.3174, 0.3342,
0.3518

 64.5141, 0.3554,
0.3743


141.5098, 0.3457,
0.3639

 47.0672, 0.3601,
0.3792


176.6746, 0.3433,
0.3614

 33.0888, 0.3658,
0.3853


217.2299, 0.3413,
0.3593

 22.1945, 0.3731,
0.3930

263.5601, 0.3395,
0.3574

 13.9999, 0.3827,
0.4032

316.0495, 0.3380,
0.3558

 8.1206, 0.3956,
0.4169

375.0826, 0.3366,

 4.1722, 0.4136,

0.3543

0.4361

441.0438, 0.3353,
0.3529

■ 1.7703, 0.4637,
0.4892

■ 0.4686, 0.4857,
0.5143

■ 85.8139, 0.3516,
0.3702

■ 85.8139, 0.3516,
0.3702

■ 80.3333, 0.3707,
0.3887

■ 91.6741, 0.3338,
0.3519

■ 75.2400, 0.3908,
0.4066

■ 97.9457, 0.3175,
0.3343

■ 70.5139, 0.4113,
0.4231

100.0000, 0.3127,
0.3290

■ 66.1405, 0.4314,
0.4370

■ 62.1039, 0.4502,
0.4473

■ 58.3857, 0.4666,
0.4529

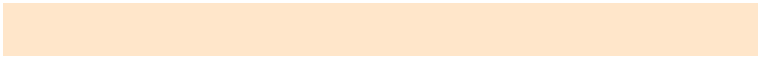
■ 54.9644, 0.4799,
0.4534

■ 52.7688, 0.4874,
0.4512

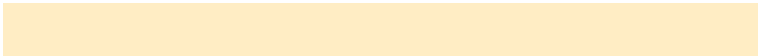
Harmonies

Analogous

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



85.8139, 0.3623, 0.3560



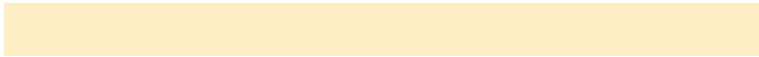
85.8139, 0.3516, 0.3702



85.8139, 0.3305, 0.3734

Triad

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



85.8139, 0.3516, 0.3702



85.8139, 0.2683, 0.3192



85.8139, 0.3187, 0.2978

Complementary

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



85.8139, 0.3516, 0.3702



67.0507, 0.2748, 0.2841

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.



85.8139, 0.2937, 0.2882



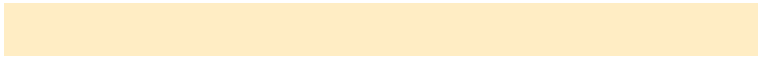
85.8139, 0.3516, 0.3702



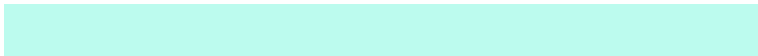
85.8139, 0.2654, 0.2994

Square

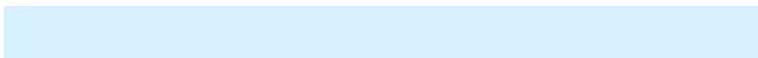
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.8139, 0.3516, 0.3702



85.8139, 0.2827, 0.3431



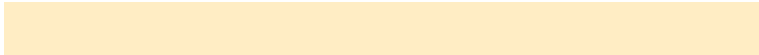
85.8139, 0.2745, 0.2885



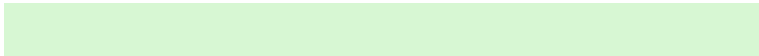
85.8139, 0.3430, 0.3148

Rectangle

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



85.8139, 0.3516, 0.3702



85.8139, 0.3137, 0.3682



85.8139, 0.2745, 0.2885



85.8139, 0.3101, 0.2936

Sweetspot

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



85.8072, 0.3516, 0.3702



95.4760, 0.3236, 0.3410



65.6270, 0.3458, 0.3100



20.3543, 0.3246, 0.3421



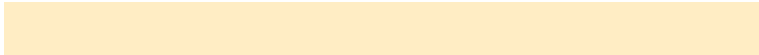
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

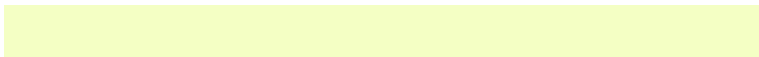
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.8072, 0.3516, 0.3702



83.0983, 0.3607, 0.3792



94.7710, 0.3406, 0.3884



20.0999, 0.3277, 0.3454



27.8490, 0.4860, 0.4523



2.9047, 0.4765, 0.4599

Inverse Universe

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



67.0507, 0.2748, 0.2841



61.2125, 0.2661, 0.2731



59.9355, 0.2805, 0.2649



18.2818, 0.2979, 0.3120



6.8369, 0.1613, 0.1006



0.8488, 0.1674, 0.1226

Previews

White Background



This preview shows how the Yxy color 85.8139, 0.3516, 0.3702 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 85.8139, 0.3516, 0.3702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

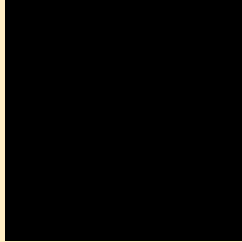
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.8139, 0.3516, 0.3702

Background



This preview shows how black text looks on a background with the Yxy color 85.8139, 0.3516, 0.3702.



This preview shows how white text looks on a background with the Yxy color 85.8139, 0.3516, 0.3702.

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

85.8139, 0.3516, 0.3702

Protanopia

85.8300, 0.3492, 0.3715

Deuteranopia

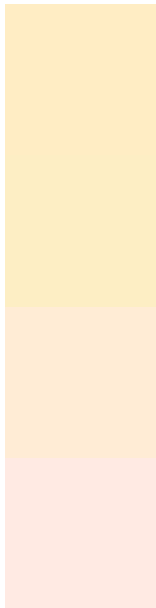
85.9506, 0.3347, 0.3420



Tritanopia

85.5658, 0.3201, 0.3163

Trichromacy



Original Color

85.8139, 0.3516, 0.3702

Protanomaly

86.0172, 0.3499, 0.3714

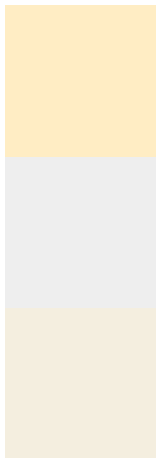
Deuteranomaly

86.0550, 0.3405, 0.3520

Tritanomaly

85.6517, 0.3316, 0.3360

Monochromacy



Original Color

85.8139, 0.3516, 0.3702

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.7099, 0.3261, 0.3442

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.8139, 0.3516, 0.3702 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, 196)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 196)  
}
```

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, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 196) }
```

Border

The CSS property to change the border of an element to Yxy 85.8139, 0.3516, 0.3702 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, 196) }
```

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

```
.border{ border-color:rgb(255, 237, 196) }
```

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, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 196);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 85.8139, 0.3516, 0.3702 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, 196) }
```

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

```
.background{ background-color: rgb(255,  
237, 196) }
```

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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