

Converting Colors

$Y_{xy}(83.8515, 0.3514, 0.3654)$

Have a look what the booklet for
Yxy(83.8515, 0.3514, 0.3654)
contains.

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Color

Yxy(83.5690, 0.3517, 0.3653)

Conversions

Conversions Part 1

Format	Color
Hex	FFE9C5
RGB	255, 233, 197
RGB Percent	100%, 91%, 77%
CMY	0.0000, 0.0862, 0.2273
CMYK	0.00, 0.09, 0.23, 0.00
HSL	37°, 100%, 89%
HSV	37°, 23%, 100%
XYZ	80.4578, 83.5690, 64.7414
YIQ	235.4740, 24.6680, -6.5320

Conversions

Conversions Part 2

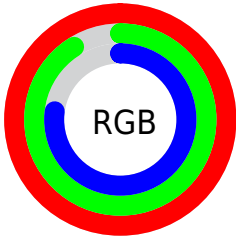
Format	Color
R _Y B	232, 255, 197
Decimal	16771525
CIE Lab	93.26, 2.02, 20.21
CIE LCh	93, 20.307, 84.283
Yxy	83.5690, 0.3517, 0.3653
Android (android.graphics.Color)	4294961605 (0xFFFFE9C5)
YUV	235.4740, -18.9677, 17.1243
Hunter-Lab	91.4161, -2.8755, 22.0017

Details

The Yxy color **83.5690, 0.3517, 0.3653** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **69.7748, 0.2759, 0.2898**, and the grayscale version is **83.5949, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.9358, 0.3133, 0.3300**, and **45.4332, 0.3609, 0.3729** is the 20% darker color. If you saturate the color by 10%, you get **77.1724, 0.3718, 0.3820**, and if you desaturate by 10%, it is **90.4711, 0.3334, 0.3489**.

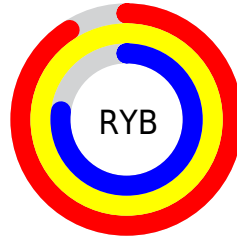
Distribution



Red (100%)

Green (91%)

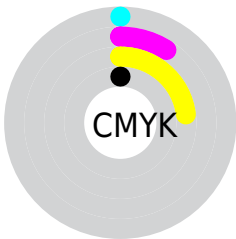
Blue (77%)



Red (91%)

Yellow (100%)

Blue (77%)

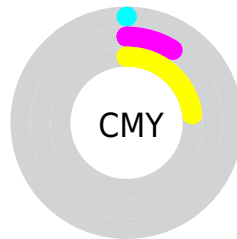


Cyan (0%)

Magenta (9%)

Yellow (23%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.5690, 0.3517, 0.3653 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 83.5690, 0.3517, 0.3653 by changing the saturation by 10% instead.


 83.5690, 0.3517,
0.3653

 83.5690, 0.3517,
0.3653


506.8809, 0.3341,
0.3490

 62.6597, 0.3556,
0.3689


138.3721, 0.3457,
0.3598

 45.5659, 0.3604,
0.3732


173.0347, 0.3433,
0.3576

 31.9034, 0.3663,
0.3786


213.0504, 0.3413,
0.3557

 21.2877, 0.3739,
0.3855

258.8038, 0.3395,
0.3540

 13.3345, 0.3839,
0.3944

310.6791, 0.3379,
0.3526

 7.6593, 0.3975,
0.4065

369.0608, 0.3365,

 3.8777, 0.4172,

0.3513

0.4236

434.3333, 0.3352,
0.3501

1.6054, 0.4718,
0.4733

0.3612, 0.5209,
0.4791

83.5690, 0.3517,
0.3653

83.5690, 0.3517,
0.3653

77.1724, 0.3718,
0.3820

90.4711, 0.3334,
0.3489

71.2554, 0.3934,
0.3983

97.8814, 0.3169,
0.3331

65.8060, 0.4161,
0.4133

99.9977, 0.3127,
0.3290

60.8073, 0.4390,
0.4260

■ 56.2408, 0.4610,
0.4350

■ 52.0859, 0.4810,
0.4394

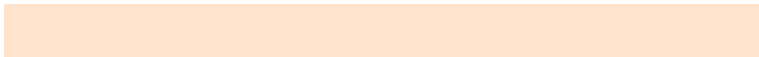
■ 48.3182, 0.4978,
0.4384

■ 45.7967, 0.5080,
0.4348

Harmonies

Analogous

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



83.5690, 0.3592, 0.3507



83.5690, 0.3517, 0.3653



83.5690, 0.3337, 0.3705

Triad

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



83.5690, 0.3517, 0.3653



83.5690, 0.2734, 0.3244



83.5690, 0.3135, 0.2975

Complementary

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



83.5690, 0.3517, 0.3653



69.7748, 0.2759, 0.2898

Split Complementary

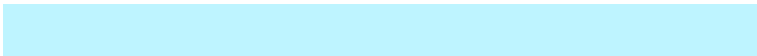
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.5690, 0.2909, 0.2903



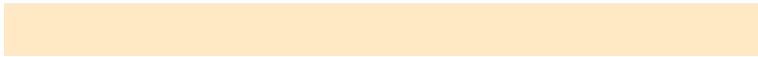
83.5690, 0.3517, 0.3653



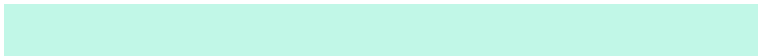
83.5690, 0.2684, 0.3048

Square

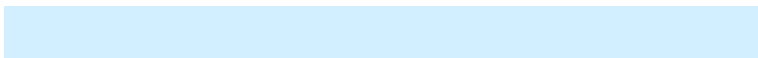
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.5690, 0.3517, 0.3653



83.5690, 0.2886, 0.3463



83.5690, 0.2746, 0.2927



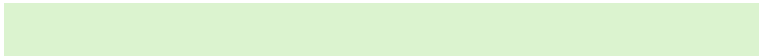
83.5690, 0.3367, 0.3123

Rectangle

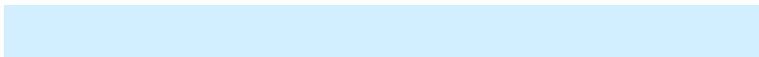
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.5690, 0.3517, 0.3653



83.5690, 0.3185, 0.3673



83.5690, 0.2746, 0.2927



83.5690, 0.3056, 0.2941

Sweetspot

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



83.5728, 0.3517, 0.3653



94.6583, 0.3237, 0.3398



66.3405, 0.3420, 0.3065



20.1647, 0.3247, 0.3407



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.



83.5728, 0.3517, 0.3653



80.7835, 0.3601, 0.3724



95.5438, 0.3426, 0.3868



19.8650, 0.3279, 0.3437



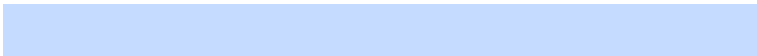
24.2295, 0.5062, 0.4363



2.5700, 0.4936, 0.4463

Inverse Universe

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



69.7748, 0.2759, 0.2898



64.9002, 0.2685, 0.2813



59.9842, 0.2786, 0.2657



18.5071, 0.2979, 0.3138



8.4797, 0.1667, 0.1199



1.0283, 0.1729, 0.1424

Previews

White Background



This preview shows how the Yxy color 83.5690, 0.3517, 0.3653 looks on a white background.

Color Contrast Check

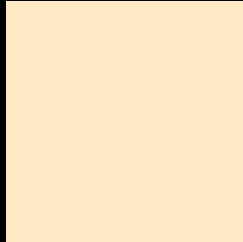
Large Text (above 18pt) WCAG AA × Fail

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 83.5690, 0.3517, 0.3653 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

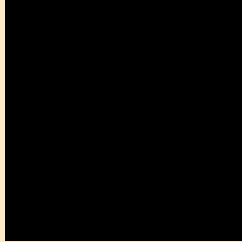
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.5690, 0.3517, 0.3653

Background



This preview shows how black text looks on a background with the Yxy color 83.5690, 0.3517, 0.3653.



This preview shows how white text looks on a background with the Yxy color 83.5690, 0.3517, 0.3653.

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

83.5690, 0.3517, 0.3653

Protanopia

83.4503, 0.3456, 0.3669

Deuteranopia

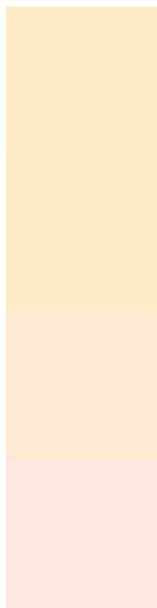
83.4216, 0.3386, 0.3431



Tritanopia

83.7094, 0.3222, 0.3163

Trichromacy



Original Color

83.5690, 0.3517, 0.3653

Protanomaly

83.4321, 0.3480, 0.3656

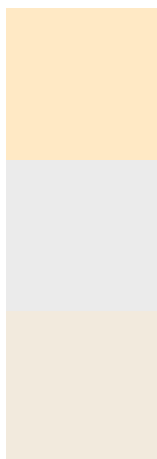
Deuteranomaly

83.6264, 0.3432, 0.3511

Tritanomaly

83.3446, 0.3327, 0.3330

Monochromacy



Original Color

83.5690, 0.3517, 0.3653

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

82.9433, 0.3264, 0.3423

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.5690, 0.3517, 0.3653 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, 233, 197)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 197)  
}
```

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, 233, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 197) }
```

Border

The CSS property to change the border of an element to Yxy 83.5690, 0.3517, 0.3653 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, 233, 197) }
```

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

```
.border{ border-color:rgb(255, 233, 197) }
```

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

Here you see how a box with a 4 pixel rgb(255, 233, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 197);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 83.5690, 0.3517, 0.3653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 233, 197) }
```

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

```
.background{ background-color: rgb(255,  
233, 197) }
```

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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