

Converting Colors

$Y_{xy}(100.0000, 0.3976, 0.3521)$

Have a look what the booklet for
Yxy(100.0000, 0.3976, 0.3521)
contains.

Yxy(83.9456, 0.3464, 0.3572)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(83.9456, 0.3464, 0.3572)

Conversions

Conversions Part 1

Format	Color
Hex	FFE9CD
RGB	255, 233, 205
RGB Percent	100%, 91%, 80%
CMY	0.0000, 0.0863, 0.1962
CMYK	0.00, 0.09, 0.20, 0.00
HSL	34°, 100%, 90%
HSV	34°, 20%, 100%
XYZ	81.4075, 83.9456, 69.6570
YIQ	236.3860, 22.1000, -4.0440

Conversions

Conversions Part 2

Format	Color
R _Y B	244, 255, 205
Decimal	16771533
CIE Lab	93.43, 3.17, 16.34
CIE LCh	93, 16.640, 79.017
Yxy	83.9456, 0.3464, 0.3572
Android (android.graphics.Color)	4294961613 (0xFFFFE9CD)
YUV	236.3860, -15.4733, 16.3245
Hunter-Lab	91.6218, -1.7380, 19.0591

Details

The Yxy color $83.9456, 0.3464, 0.3572$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $75.1274, 0.2814, 0.2991$, and the grayscale version is $84.2948, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $45.6844, 0.3539, 0.3625$ is the 20% darker color. If you saturate the color by 10%, you get $76.6577, 0.3667, 0.3724$, and if you desaturate by 10%, it is $91.8299, 0.3282, 0.3425$.

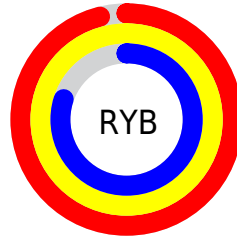
Distribution



Red (100%)

Green (91%)

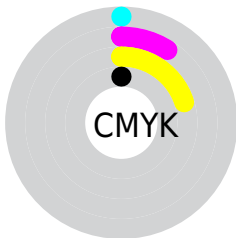
Blue (80%)



Red (96%)

Yellow (100%)

Blue (80%)

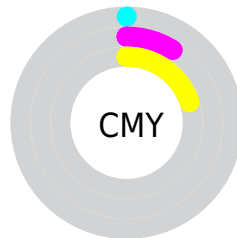


Cyan (0%)

Magenta (9%)

Yellow (20%)

Black (0%)



Cyan (0%)

Magenta (9%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.9456, 0.3464, 0.3572 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 83.9456, 0.3464, 0.3572 by changing the saturation by 10% instead.


 83.9456, 0.3464,
0.3572

 83.9456, 0.3464,
0.3572


508.1326, 0.3312,
0.3446

 62.9705, 0.3498,
0.3600


138.8991, 0.3412,
0.3529

 45.8174, 0.3539,
0.3633

173.6463, 0.3391,
0.3512

 32.1017, 0.3591,
0.3675


213.7529, 0.3374,
0.3498

 21.4392, 0.3658,
0.3728

259.6035, 0.3358,
0.3485

 13.4454, 0.3746,
0.3798

311.5824, 0.3344,
0.3473

 7.7360, 0.3868,
0.3893

370.0739, 0.3332,

 3.9265, 0.4048,

0.3463

0.4029

435.4625, 0.3321,
0.3454

■ 1.6325, 0.4421,
0.4319

■ 0.3794, 0.5358,
0.4642

■ 83.9456, 0.3464,
0.3572

■ 83.9456, 0.3464,
0.3572

■ 76.6577, 0.3667,
0.3724

■ 91.8299, 0.3282,
0.3425

■ 69.9612, 0.3891,
0.3874

100.0000, 0.3127,
0.3290

■ 63.8340, 0.4131,
0.4016

■ 58.2566, 0.4383,
0.4138

■ 53.2079, 0.4634,
0.4229

■ 48.6649, 0.4871,
0.4276

■ 44.6014, 0.5079,
0.4269

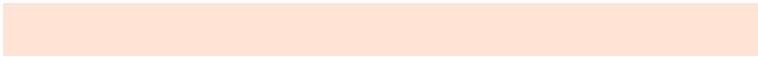
■ 40.9808, 0.5251,
0.4210

■ 40.8490, 0.5257,
0.4208

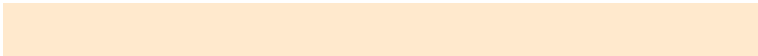
Harmonies

Analogous

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



83.9456, 0.3506, 0.3444



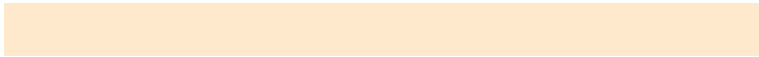
83.9456, 0.3464, 0.3572



83.9456, 0.3330, 0.3628

Triad

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



83.9456, 0.3464, 0.3572



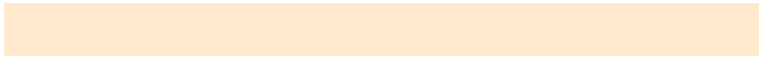
83.9456, 0.2820, 0.3285



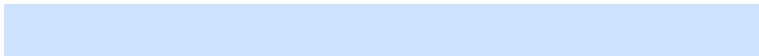
83.9456, 0.3100, 0.3014

Complementary

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



83.9456, 0.3464, 0.3572



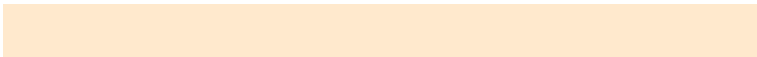
75.1274, 0.2814, 0.2991

Split Complementary

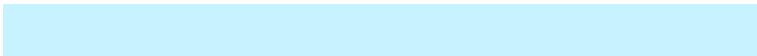
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.9456, 0.2920, 0.2969



83.9456, 0.3464, 0.3572



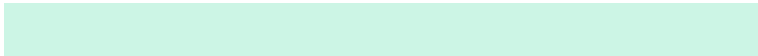
83.9456, 0.2763, 0.3118

Square

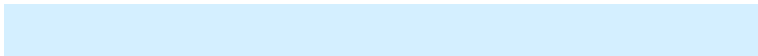
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.9456, 0.3464, 0.3572



83.9456, 0.2959, 0.3460



83.9456, 0.2799, 0.3005



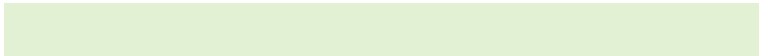
83.9456, 0.3292, 0.3128

Rectangle

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



83.9456, 0.3464, 0.3572



83.9456, 0.3209, 0.3612



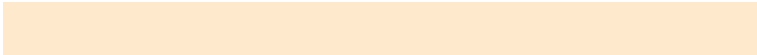
83.9456, 0.2799, 0.3005



83.9456, 0.3036, 0.2991

Sweetspot

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



83.9415, 0.3464, 0.3572



94.8337, 0.3222, 0.3373



70.4867, 0.3347, 0.3064



20.1809, 0.3232, 0.3382



0.0000, 0.0000, 0.0000



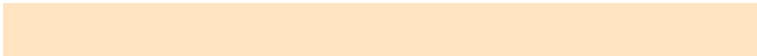
21.4041, 0.3127, 0.3290

Same Dimension

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



83.9415, 0.3464, 0.3572



80.6743, 0.3550, 0.3638



96.7156, 0.3407, 0.3783



19.6748, 0.3280, 0.3423



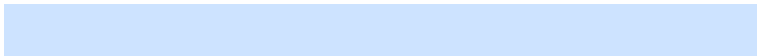
21.6472, 0.5235, 0.4225



2.3255, 0.5083, 0.4346

Inverse Universe

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



75.1274, 0.2814, 0.2991



70.2305, 0.2740, 0.2915



64.2086, 0.2816, 0.2750



18.6928, 0.2979, 0.3153



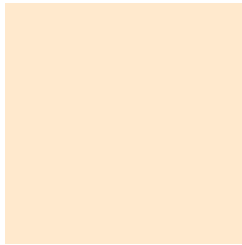
10.1350, 0.1717, 0.1379



1.2000, 0.1777, 0.1598

Previews

White Background



This preview shows how the Yxy color 83.9456, 0.3464, 0.3572 looks on a white background.

Color Contrast Check

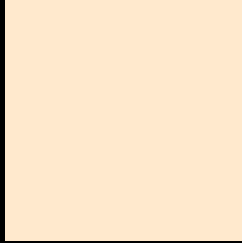
Large Text (above 18pt) WCAG AA × Fail

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 83.9456, 0.3464, 0.3572 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

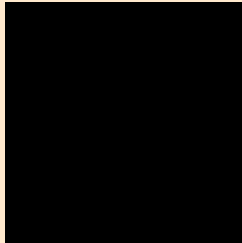
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.9456, 0.3464, 0.3572

Background



This preview shows how black text looks on a background with the Yxy color 83.9456, 0.3464, 0.3572.

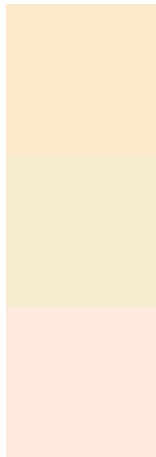


This preview shows how white text looks on a background with the Yxy color 83.9456, 0.3464, 0.3572.

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

83.9456, 0.3464, 0.3572

Protanopia

84.2213, 0.3395, 0.3597

Deuteranopia

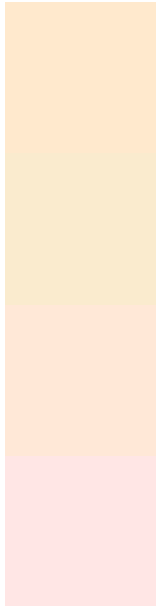
84.1937, 0.3358, 0.3400



Tritanopia

83.7697, 0.3216, 0.3153

Trichromacy



Original Color

83.9456, 0.3464, 0.3572

Protanomaly

84.1969, 0.3418, 0.3585

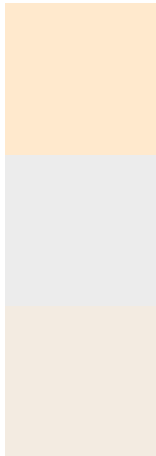
Deuteranomaly

83.8795, 0.3398, 0.3461

Tritanomaly

83.5108, 0.3307, 0.3300

Monochromacy



Original Color

83.9456, 0.3464, 0.3572

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

83.9076, 0.3245, 0.3392

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.9456, 0.3464, 0.3572 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, 205)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 205)  
}
```

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, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 205) }
```

Border

The CSS property to change the border of an element to Yxy 83.9456, 0.3464, 0.3572 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, 205) }
```

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

```
.border{ border-color:rgb(255, 233, 205) }
```

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, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 205);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 83.9456, 0.3464, 0.3572 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, 205) }
```

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

```
.background{ background-color: rgb(255,  
233, 205) }
```

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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