

Converting Colors

$Y_{xy}(100.0000, 0.3661, 0.3381)$

Have a look what the booklet for
Yxy(100.0000, 0.3661, 0.3381)
contains.

Yxy(88.6501, 0.3297, 0.3389)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(88.6501, 0.3297, 0.3389)

Conversions

Conversions Part 1

Format	Color
Hex	FFEFE5
RGB	255, 239, 229
RGB Percent	100%, 94%, 90%
CMY	0.0001, 0.0627, 0.1020
CMYK	0.00, 0.06, 0.10, 0.00
HSL	23°, 100%, 95%
HSV	23°, 10%, 100%
XYZ	86.2435, 88.6501, 86.6882
YIQ	242.6440, 12.7460, 0.2820

Conversions

Conversions Part 2

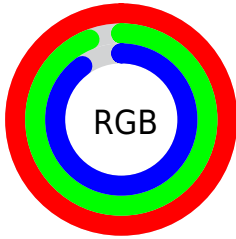
Format	Color
R _{YB}	255, 245, 229
Decimal	16773093
CIE Lab	95.43, 3.74, 6.76
CIE LCh	95, 7.728, 61.044
Yxy	88.6501, 0.3297, 0.3389
Android (android.graphics.Color)	4294963173 (0xFFFEFE5)
YUV	242.6440, -6.7265, 10.8362
Hunter-Lab	94.1542, -1.2670, 11.3193

Details

The Yxy color **88.6501, 0.3297, 0.3389** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **89.1589, 0.2969, 0.3189**, and the grayscale version is **89.3775, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.9287, 0.3329, 0.3404** is the 20% darker color. If you saturate the color by 10%, you get **78.5517, 0.3492, 0.3492**, and if you desaturate by 10%, it is **99.7609, 0.3130, 0.3292**.

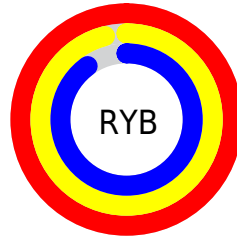
Distribution



Red (100%)

Green (94%)

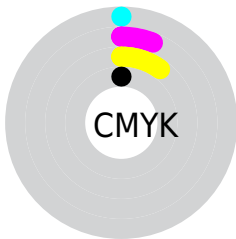
Blue (90%)



Red (100%)

Yellow (96%)

Blue (90%)

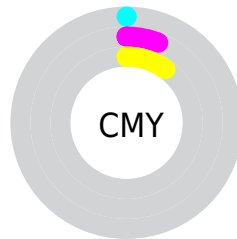


Cyan (0%)

Magenta (6%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (6%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.6501, 0.3297, 0.3389 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 88.6501, 0.3297, 0.3389 by changing the saturation by 10% instead.

 88.6501, 0.3297,
0.3389

 88.6501, 0.3297,
0.3389

523.6298, 0.3221,
0.3345

 66.8616, 0.3314,
0.3399


145.4619, 0.3271,
0.3374

 48.9722, 0.3334,
0.3410


181.2540, 0.3261,
0.3368

 34.5974, 0.3360,
0.3424


222.4827, 0.3252,
0.3363

 23.3529, 0.3393,
0.3443

269.5325, 0.3244,
0.3359

 14.8543, 0.3437,
0.3467

322.7877, 0.3237,
0.3355

 8.7172, 0.3497,
0.3499

382.6327, 0.3231,

 4.5572, 0.3587,

0.3351

0.3547

449.4520, 0.3226,
0.3348

■ 1.9899, 0.3735,
0.3621

■ 0.6016, 0.4583,
0.4157

■ 88.6501, 0.3297,
0.3389

■ 88.6501, 0.3297,
0.3389

■ 78.5517, 0.3492,
0.3492

99.7609, 0.3130,
0.3292

■ 69.4247, 0.3719,
0.3599

99.9968, 0.3127,
0.3290

■ 61.2425, 0.3980,
0.3705

■ 53.9726, 0.4274,
0.3803

■ 47.5807, 0.4594,
0.3883

■ 42.0298, 0.4928,
0.3933

■ 37.2798, 0.5253,
0.3939

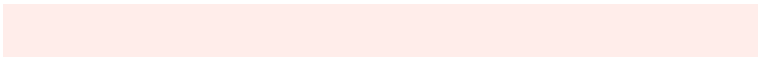
■ 33.2860, 0.5541,
0.3892

■ 30.0480, 0.5771,
0.3800

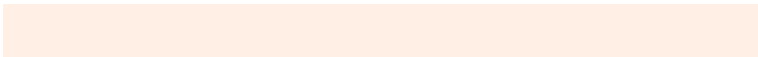
Harmonies

Analogous

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



88.6501, 0.3287, 0.3319



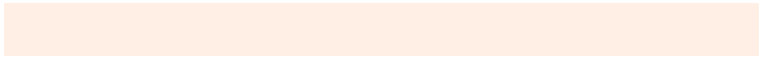
88.6501, 0.3297, 0.3389



88.6501, 0.3261, 0.3434

Triad

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



88.6501, 0.3297, 0.3389



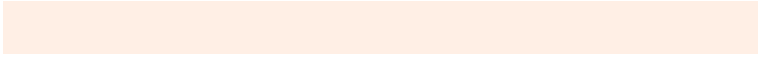
88.6501, 0.3021, 0.3337



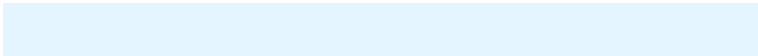
88.6501, 0.3064, 0.3145

Complementary

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



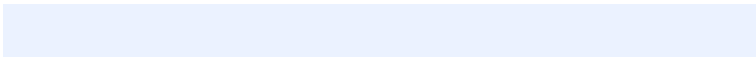
88.6501, 0.3297, 0.3389



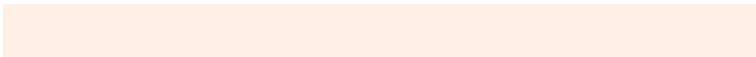
89.1589, 0.2969, 0.3189

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.



88.6501, 0.2994, 0.3148



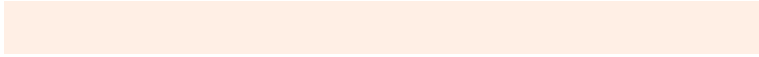
88.6501, 0.3297, 0.3389



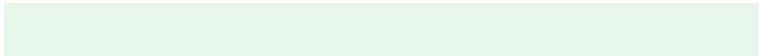
88.6501, 0.2970, 0.3258

Square

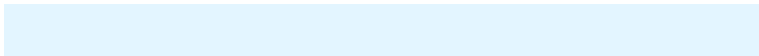
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.6501, 0.3297, 0.3389



88.6501, 0.3101, 0.3404



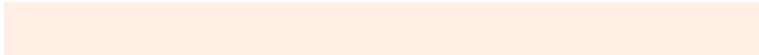
88.6501, 0.2960, 0.3188



88.6501, 0.3152, 0.3180

Rectangle

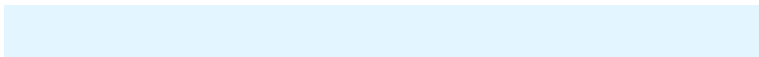
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.6501, 0.3297, 0.3389



88.6501, 0.3216, 0.3443



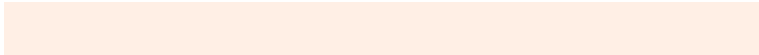
88.6501, 0.2960, 0.3188



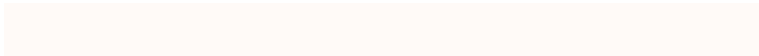
88.6501, 0.3038, 0.3142

Sweetspot

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



88.6540, 0.3297, 0.3389



96.5543, 0.3174, 0.3318



83.8856, 0.3203, 0.3134



20.4728, 0.3187, 0.3326



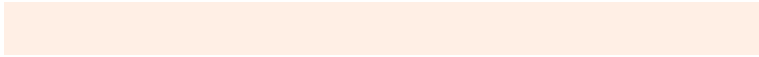
0.0000, 0.0000, 0.0000



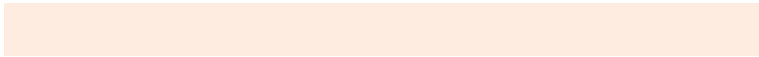
21.4041, 0.3127, 0.3290

Same Dimension

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



88.6540, 0.3297, 0.3389



86.7676, 0.3330, 0.3407



96.5038, 0.3283, 0.3513



19.1351, 0.3285, 0.3382



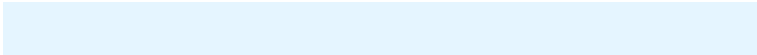
15.9701, 0.5741, 0.3824



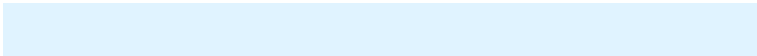
1.7589, 0.5530, 0.3991

Inverse Universe

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



89.1589, 0.2969, 0.3189



87.3544, 0.2940, 0.3170



81.6034, 0.2967, 0.3056



19.2364, 0.2979, 0.3196



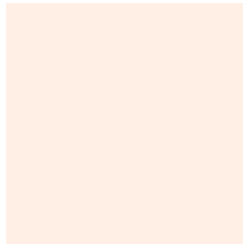
16.6172, 0.1881, 0.1972



1.8298, 0.1927, 0.2138

Previews

White Background



This preview shows how the Yxy color 88.6501, 0.3297, 0.3389 looks on a white background.

Color Contrast Check

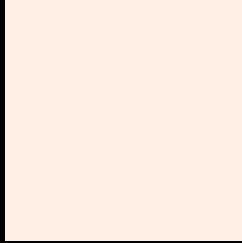
Large Text (above 18pt) WCAG AA × Fail

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 88.6501, 0.3297, 0.3389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

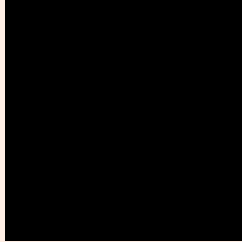
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 88.6501, 0.3297, 0.3389

Background



This preview shows how black text looks on a background with the Yxy color 88.6501, 0.3297, 0.3389.

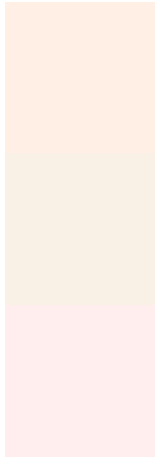


This preview shows how white text looks on a background with the Yxy color 88.6501, 0.3297, 0.3389.

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

88.6501, 0.3297, 0.3389

Protanopia

88.7635, 0.3248, 0.3400

Deuteranopia

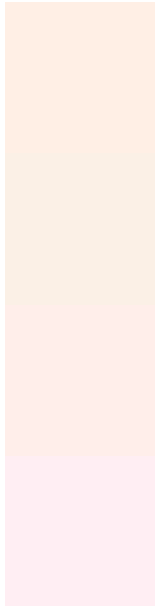
88.5235, 0.3247, 0.3300



Tritanopia

88.7934, 0.3160, 0.3155

Trichromacy



Original Color

88.6501, 0.3297, 0.3389

Protanomaly

88.5426, 0.3263, 0.3389

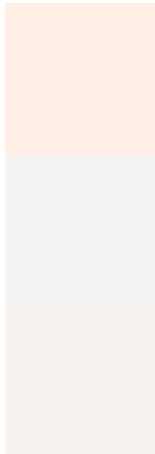
Deuteranomaly

88.3496, 0.3266, 0.3330

Tritanomaly

88.8801, 0.3209, 0.3242

Monochromacy



Original Color

88.6501, 0.3297, 0.3389

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

89.4515, 0.3184, 0.3330

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.6501, 0.3297, 0.3389 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, 239, 229)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 229)  
}
```

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, 239, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 229) }
```

Border

The CSS property to change the border of an element to Yxy 88.6501, 0.3297, 0.3389 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, 239, 229) }
```

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

```
.border{ border-color:rgb(255, 239, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 239, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 229);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 88.6501, 0.3297, 0.3389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 239, 229) }
```

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

```
.background{ background-color: rgb(255,  
239, 229) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor