

Converting Colors

$Yxy(86.5342, 0.3383, 0.3492)$

Have a look what the booklet for
Yxy(86.5342, 0.3383, 0.3492)
contains.

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Color

Yxy(86.7862, 0.3384, 0.3499)

Conversions

Conversions Part 1

Format	Color
Hex	FFEDD8
RGB	255, 237, 216
RGB Percent	100%, 93%, 85%
CMY	0.0000, 0.0706, 0.1528
CMYK	0.00, 0.07, 0.15, 0.00
HSL	32°, 100%, 92%
HSV	32°, 15%, 100%
XYZ	83.9338, 86.7862, 77.3114
YIQ	239.9880, 17.4690, -2.7150

Conversions

Conversions Part 2

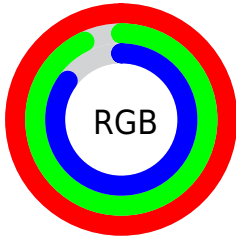
Format	Color
R _Y B	249, 255, 216
Decimal	16772568
CIE Lab	94.65, 2.77, 12.35
CIE LCh	95, 12.653, 77.349
Yxy	86.7862, 0.3384, 0.3499
Android (android.graphics.Color)	4294962648 (0xFFFFEDD8)
YUV	239.9880, -11.8261, 13.1655
Hunter-Lab	93.1591, -2.2048, 16.0075

Details

The Yxy color **86.7862, 0.3384, 0.3499** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **80.6913, 0.2886, 0.3072**, and the grayscale version is **87.2081, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.6267, 0.3442, 0.3545** is the 20% darker color. If you saturate the color by 10%, you get **78.9617, 0.3580, 0.3644**, and if you desaturate by 10%, it is **95.2543, 0.3210, 0.3360**.

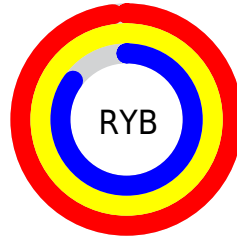
Distribution



Red (100%)

Green (93%)

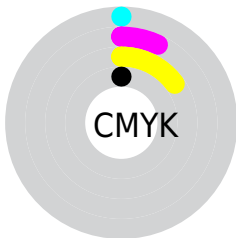
Blue (85%)



Red (98%)

Yellow (100%)

Blue (85%)

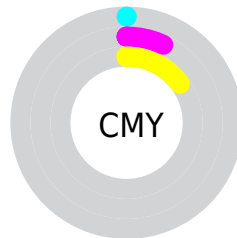


Cyan (0%)

Magenta (7%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.7862, 0.3384, 0.3499 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 86.7862, 0.3384, 0.3499 by changing the saturation by 10% instead.


 86.7862, 0.3384,
0.3499

 86.7862, 0.3384,
0.3499

517.5201, 0.3269,
0.3406

 65.3183, 0.3410,
0.3519


142.8661, 0.3345,
0.3467

 47.7192, 0.3441,
0.3544


178.2469, 0.3329,
0.3455

 33.6046, 0.3480,
0.3575


219.0341, 0.3316,
0.3444

 22.5900, 0.3530,
0.3614

265.6121, 0.3304,
0.3435

 14.2911, 0.3596,
0.3666

318.3653, 0.3293,
0.3426

 8.3234, 0.3688,
0.3736

377.6781, 0.3284,

 4.3026, 0.3824,

0.3419

0.3839

443.9349, 0.3276,
0.3412

■ 1.8442, 0.4045,
0.3999

■ 0.5145, 0.5197,
0.4803

■ 86.7862, 0.3384,
0.3499

■ 86.7862, 0.3384,
0.3499

■ 78.9617, 0.3580,
0.3644

■ 95.2543, 0.3210,
0.3360

■ 71.7773, 0.3798,
0.3790

100.0000, 0.3127,
0.3290

■ 65.2092, 0.4038,
0.3931

■ 59.2372, 0.4293,
0.4059

■ 53.8398, 0.4555,
0.4160

■ 48.9933, 0.4811,
0.4222

■ 44.6717, 0.5044,
0.4234

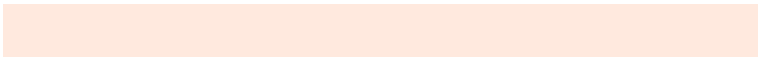
■ 40.8444, 0.5241,
0.4190

■ 39.1941, 0.5323,
0.4155

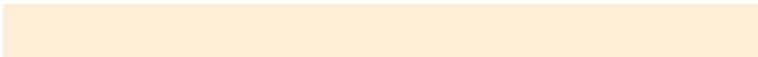
Harmonies

Analogous

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



86.7862, 0.3411, 0.3402



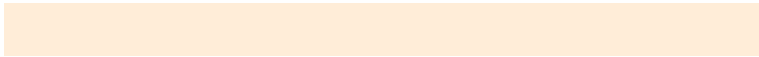
86.7862, 0.3384, 0.3499



86.7862, 0.3288, 0.3542

Triad

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



86.7862, 0.3384, 0.3499



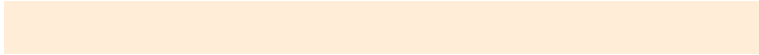
86.7862, 0.2900, 0.3295



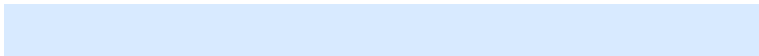
86.7862, 0.3100, 0.3077

Complementary

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



86.7862, 0.3384, 0.3499



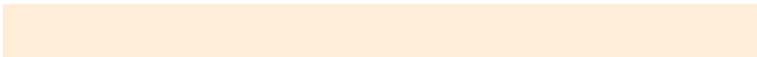
80.6913, 0.2886, 0.3072

Split Complementary

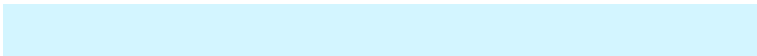
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.7862, 0.2965, 0.3047



86.7862, 0.3384, 0.3499



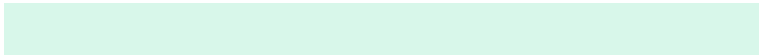
86.7862, 0.2852, 0.3168

Square

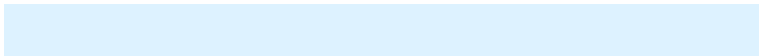
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.7862, 0.3384, 0.3499



86.7862, 0.3008, 0.3424



86.7862, 0.2875, 0.3079



86.7862, 0.3244, 0.3161

Rectangle

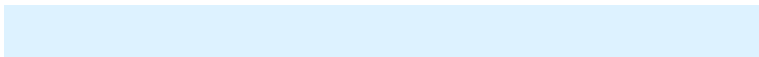
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.7862, 0.3384, 0.3499



86.7862, 0.3198, 0.3533



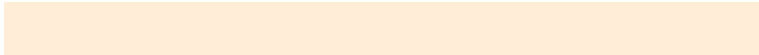
86.7862, 0.2875, 0.3079



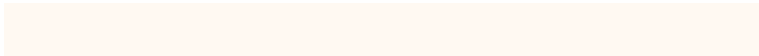
86.7862, 0.3052, 0.3061

Sweetspot

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



86.7814, 0.3384, 0.3499



95.5037, 0.3206, 0.3356



76.3392, 0.3286, 0.3109



20.3094, 0.3217, 0.3366



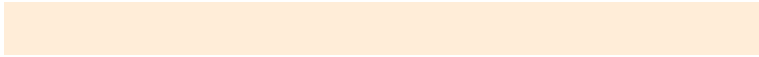
0.0000, 0.0000, 0.0000



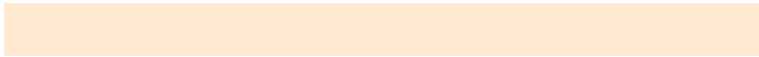
21.4041, 0.3127, 0.3290

Same Dimension

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



86.7814, 0.3384, 0.3499



84.5929, 0.3435, 0.3538



97.4938, 0.3349, 0.3672



19.6054, 0.3281, 0.3418



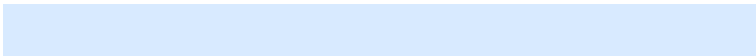
20.7820, 0.5300, 0.4174



2.2422, 0.5139, 0.4302

Inverse Universe

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



80.6913, 0.2886, 0.3072



77.5579, 0.2841, 0.3029



71.1482, 0.2887, 0.2880



18.7613, 0.2979, 0.3159



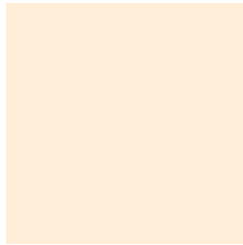
10.8158, 0.1736, 0.1450



1.2689, 0.1796, 0.1664

Previews

White Background



This preview shows how the Yxy color 86.7862, 0.3384, 0.3499 looks on a white background.

Color Contrast Check

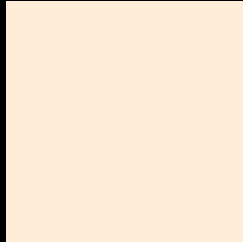
Large Text (above 18pt) WCAG AA × Fail

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 86.7862, 0.3384, 0.3499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

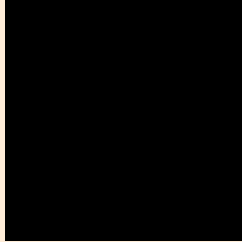
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.7862, 0.3384, 0.3499

Background



This preview shows how black text looks on a background with the Yxy color 86.7862, 0.3384, 0.3499.

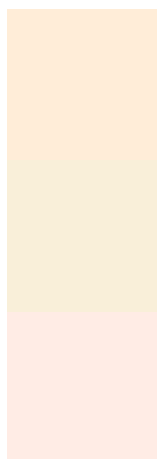


This preview shows how white text looks on a background with the Yxy color 86.7862, 0.3384, 0.3499.

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

86.7862, 0.3384, 0.3499

Protanopia

86.8825, 0.3333, 0.3512

Deuteranopia

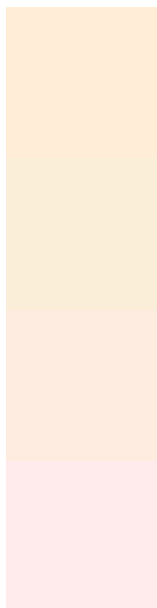
86.9080, 0.3300, 0.3360



Tritanopia

86.8829, 0.3180, 0.3154

Trichromacy



Original Color

86.7862, 0.3384, 0.3499

Protanomaly

86.6681, 0.3348, 0.3501

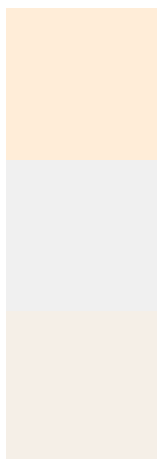
Deuteranomaly

86.6327, 0.3333, 0.3409

Tritanomaly

86.7328, 0.3256, 0.3281

Monochromacy



Original Color

86.7862, 0.3384, 0.3499

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

86.9150, 0.3217, 0.3371

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.7862, 0.3384, 0.3499 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, 216)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 216)  
}
```

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, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 216) }
```

Border

The CSS property to change the border of an element to Yxy 86.7862, 0.3384, 0.3499 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, 216) }
```

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

```
.border{ border-color:rgb(255, 237, 216) }
```

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, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 216);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 86.7862, 0.3384, 0.3499 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, 216) }
```

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

```
.background{ background-color: rgb(255,  
237, 216) }
```

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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