

Converting Colors

$Y_{xy}(87.8075, 0.3393, 0.3514)$

Have a look what the booklet for
Yxy(87.8075, 0.3393, 0.3514)
contains.

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Color

Yxy(87.3669, 0.3382, 0.3509)

Conversions

Conversions Part 1

Format	Color
Hex	FFEED8
RGB	255, 238, 216
RGB Percent	100%, 93%, 85%
CMY	0.0001, 0.0666, 0.1528
CMYK	0.00, 0.07, 0.15, 0.00
HSL	34°, 100%, 92%
HSV	34°, 15%, 100%
XYZ	84.2049, 87.3669, 77.4077
YIQ	240.5750, 17.1940, -3.2380

Conversions

Conversions Part 2

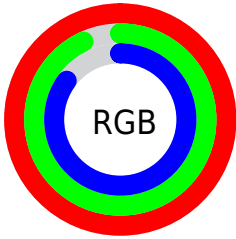
Format	Color
R _Y B	246, 255, 216
Decimal	16772824
CIE Lab	94.89, 2.23, 12.70
CIE LCh	95, 12.890, 80.058
Yxy	87.3669, 0.3382, 0.3509
Android (android.graphics.Color)	4294962904 (0xFFFFEED8)
YUV	240.5750, -12.1155, 12.6507
Hunter-Lab	93.4703, -2.7671, 16.3280

Details

The Yxy color **87.3669, 0.3382, 0.3509** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.0934, 0.2886, 0.3061**, and the grayscale version is **87.6999, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.0349, 0.3440, 0.3557** is the 20% darker color. If you saturate the color by 10%, you get **79.8837, 0.3575, 0.3660**, and if you desaturate by 10%, it is **95.4614, 0.3210, 0.3364**.

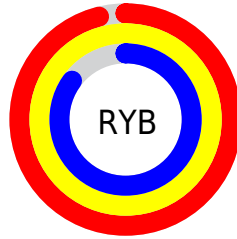
Distribution



Red (100%)

Green (93%)

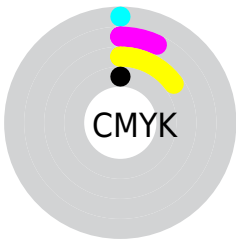
Blue (85%)



Red (96%)

Yellow (100%)

Blue (85%)

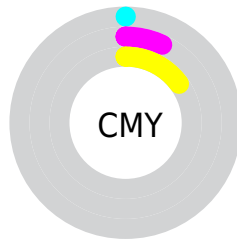


Cyan (0%)

Magenta (7%)

Yellow (15%)

Black (0%)



Cyan (0%)

Magenta (7%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.3669, 0.3382, 0.3509 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 87.3669, 0.3382, 0.3509 by changing the saturation by 10% instead.


 87.3669, 0.3382,
0.3509

 87.3669, 0.3382,
0.3509


519.4277, 0.3268,
0.3412

 65.7989, 0.3407,
0.3530


143.6754, 0.3343,
0.3476

 48.1092, 0.3438,
0.3556


179.1847, 0.3328,
0.3463

 33.9133, 0.3477,
0.3589


220.1099, 0.3314,
0.3451

 22.8270, 0.3526,
0.3630

266.8353, 0.3303,
0.3441

 14.4658, 0.3591,
0.3684

319.7454, 0.3292,
0.3433

 8.4454, 0.3682,
0.3758

379.2246, 0.3283,

 4.3812, 0.3815,

0.3425

445.6573, 0.3275,
0.3418

0.3865

■ 1.8890, 0.4029,
0.4033

■ 0.5418, 0.5124,
0.4876

■ 87.3669, 0.3382,
0.3509

■ 87.3669, 0.3382,
0.3509

■ 79.8837, 0.3575,
0.3660

■ 95.4614, 0.3210,
0.3364

■ 72.9837, 0.3790,
0.3813

99.9954, 0.3127,
0.3290

■ 66.6532, 0.4023,
0.3961

■ 60.8736, 0.4269,
0.4094

■ 55.6249, 0.4520,
0.4201

■ 50.8854, 0.4763,
0.4269

■ 46.6305, 0.4983,
0.4287

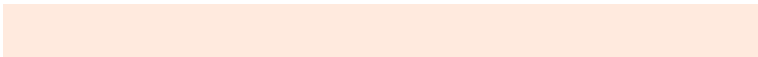
■ 42.8317, 0.5167,
0.4250

■ 41.1797, 0.5244,
0.4218

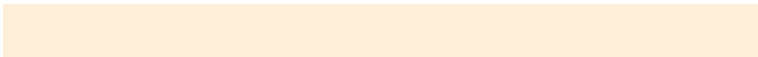
Harmonies

Analogous

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



87.3669, 0.3416, 0.3414



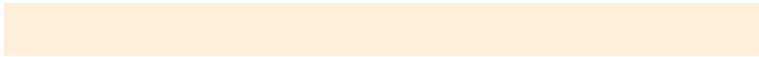
87.3669, 0.3382, 0.3509



87.3669, 0.3279, 0.3547

Triad

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



87.3669, 0.3382, 0.3509



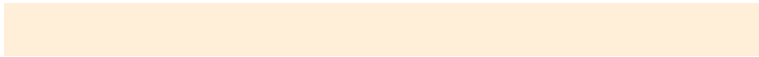
87.3669, 0.2889, 0.3283



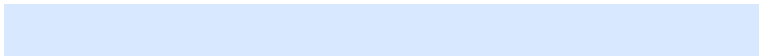
87.3669, 0.3113, 0.3080

Complementary

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



87.3669, 0.3382, 0.3509



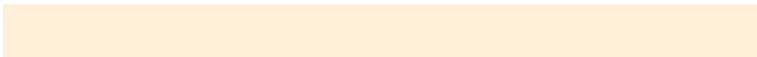
80.0934, 0.2886, 0.3061

Split Complementary

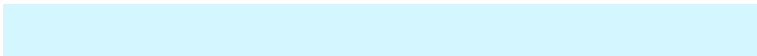
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.3669, 0.2973, 0.3043



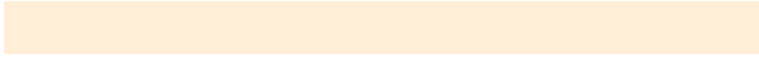
87.3669, 0.3382, 0.3509



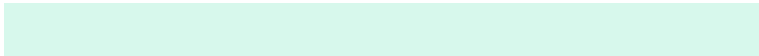
87.3669, 0.2847, 0.3156

Square

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



87.3669, 0.3382, 0.3509



87.3669, 0.2994, 0.3415



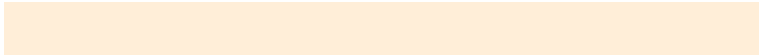
87.3669, 0.2877, 0.3070



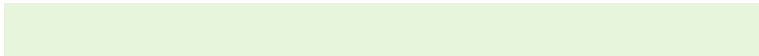
87.3669, 0.3259, 0.3169

Rectangle

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



87.3669, 0.3382, 0.3509



87.3669, 0.3186, 0.3533



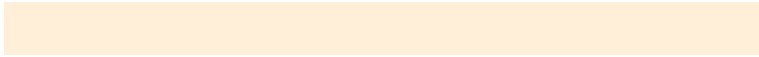
87.3669, 0.2877, 0.3070



87.3669, 0.3063, 0.3061

Sweetspot

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



87.3708, 0.3382, 0.3509



95.7139, 0.3205, 0.3360



76.2955, 0.3291, 0.3116



20.3604, 0.3217, 0.3370



0.0000, 0.0000, 0.0000



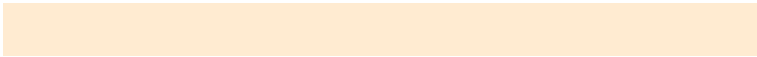
21.4041, 0.3127, 0.3290

Same Dimension

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



87.3708, 0.3382, 0.3509



85.2904, 0.3433, 0.3550



97.3517, 0.3344, 0.3672



19.6886, 0.3280, 0.3424



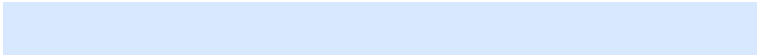
21.8245, 0.5222, 0.4236



2.3425, 0.5072, 0.4355

Inverse Universe

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



80.0934, 0.2886, 0.3061



76.8787, 0.2841, 0.3016



71.2450, 0.2891, 0.2881



18.6792, 0.2979, 0.3152



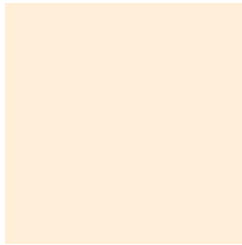
10.0043, 0.1713, 0.1366



1.1867, 0.1774, 0.1585

Previews

White Background



This preview shows how the Yxy color 87.3669, 0.3382, 0.3509 looks on a white background.

Color Contrast Check

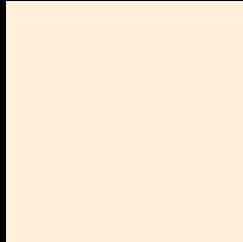
Large Text (above 18pt) WCAG AA × Fail

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 87.3669, 0.3382, 0.3509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

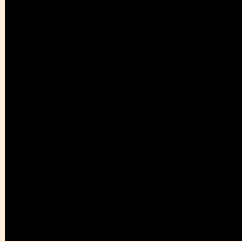
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.3669, 0.3382, 0.3509

Background



This preview shows how black text looks on a background with the Yxy color 87.3669, 0.3382, 0.3509.

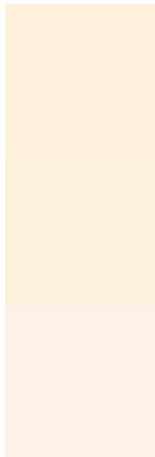


This preview shows how white text looks on a background with the Yxy color 87.3669, 0.3382, 0.3509.

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

87.3669, 0.3382, 0.3509

Protanopia

87.6539, 0.3338, 0.3521

Deuteranopia

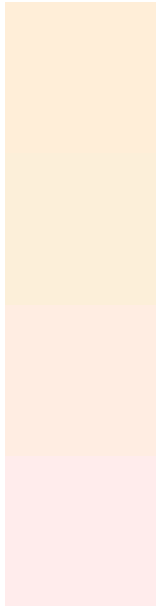
87.5979, 0.3286, 0.3349



Tritanopia

87.4540, 0.3180, 0.3164

Trichromacy



Original Color

87.3669, 0.3382, 0.3509

Protanomaly

87.4382, 0.3354, 0.3510

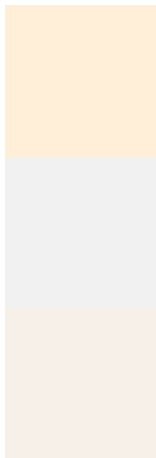
Deuteranomaly

87.3194, 0.3319, 0.3399

Tritanomaly

87.3070, 0.3255, 0.3290

Monochromacy



Original Color

87.3669, 0.3382, 0.3509

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

87.7392, 0.3216, 0.3370

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.3669, 0.3382, 0.3509 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, 238, 216)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 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, 238, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 216) }
```

Border

The CSS property to change the border of an element to Yxy 87.3669, 0.3382, 0.3509 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, 238, 216) }
```

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

```
.border{ border-color:rgb(255, 238, 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, 238, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 216);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 87.3669, 0.3382, 0.3509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 216) }
```

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

```
.background{ background-color: rgb(255,  
238, 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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