

Converting Colors

$Y_{xy}(87.7173, 0.3375, 0.3504)$

Have a look what the booklet for
Yxy(87.7173, 0.3375, 0.3504)
contains.

Yxy(88.0028, 0.3374, 0.3509)	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(88.0028, 0.3374, 0.3509)

Conversions

Conversions Part 1

Format	Color
Hex	FFEFD9
RGB	255, 239, 217
RGB Percent	100%, 94%, 85%
CMY	0.0002, 0.0627, 0.1490
CMYK	0.00, 0.06, 0.15, 0.00
HSL	35°, 100%, 93%
HSV	35°, 15%, 100%
XYZ	84.6171, 88.0028, 78.1718
YIQ	241.2760, 16.5980, -3.4500

Conversions

Conversions Part 2

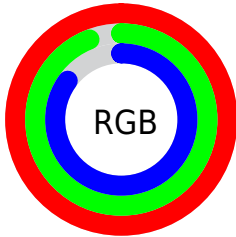
Format	Color
R_{YB}	245, 255, 217
Decimal	16773081
CIE _{Lab}	95.16, 1.85, 12.57
CIE _{LCh}	95, 12.709, 81.626
Yxy	88.0028, 0.3374, 0.3509
Android (android.graphics.Color)	4294963161 (0xFFFFEFD9)
YUV	241.2760, -11.9681, 12.0359
Hunter-Lab	93.8098, -3.1589, 16.2605

Details

The Yxy color **88.0028, 0.3374, 0.3509** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **80.2065, 0.2892, 0.3061**, and the grayscale version is **88.2760, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.4814, 0.3429, 0.3557** is the 20% darker color. If you saturate the color by 10%, you get **80.6987, 0.3565, 0.3664**, and if you desaturate by 10%, it is **95.8907, 0.3203, 0.3360**.

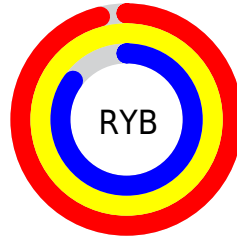
Distribution



Red (100%)

Green (94%)

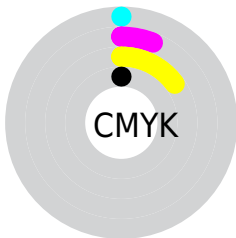
Blue (85%)



Red (96%)

Yellow (100%)

Blue (85%)

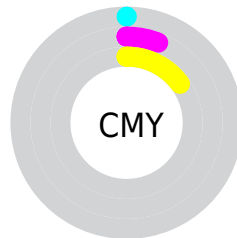


Cyan (0%)

Magenta (6%)

Yellow (15%)

Black (0%)



Cyan (0%)

Magenta (6%)

Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.0028, 0.3374, 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 88.0028, 0.3374, 0.3509 by changing the saturation by 10% instead.


 88.0028, 0.3374,
0.3509

 88.0028, 0.3374,
0.3509


521.5124, 0.3263,
0.3412

 66.3254, 0.3398,
0.3530

144.5611, 0.3336,
0.3476

 48.5366, 0.3428,
0.3556


180.2107, 0.3321,
0.3463

 34.2520, 0.3465,
0.3589

221.2865, 0.3309,
0.3451

 23.0873, 0.3513,
0.3630

268.1729, 0.3297,
0.3442

 14.6580, 0.3576,
0.3684

321.2543, 0.3287,
0.3433

 8.5797, 0.3662,
0.3758

380.9151, 0.3278,

 4.4681, 0.3790,

0.3425

0.3865

447.5397, 0.3271,
0.3418

■ 1.9387, 0.3994,
0.4033

■ 0.5715, 0.5073,
0.4927

■ 88.0028, 0.3374,
0.3509

■ 88.0028, 0.3374,
0.3509

■ 80.6987, 0.3565,
0.3664

■ 95.8907, 0.3203,
0.3360

■ 73.9508, 0.3776,
0.3821

99.9906, 0.3127,
0.3290

■ 67.7465, 0.4005,
0.3973

■ 62.0680, 0.4245,
0.4110

■ 56.8963, 0.4490,
0.4222

■ 52.2105, 0.4726,
0.4295

■ 47.9872, 0.4939,
0.4319

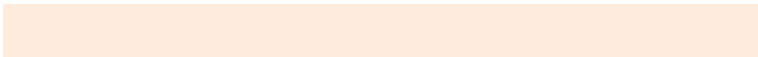
■ 44.1990, 0.5117,
0.4288

■ 42.4127, 0.5197,
0.4255

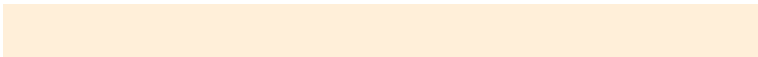
Harmonies

Analogous

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



88.0028, 0.3412, 0.3418



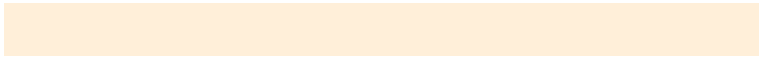
88.0028, 0.3374, 0.3509



88.0028, 0.3270, 0.3543

Triad

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



88.0028, 0.3374, 0.3509



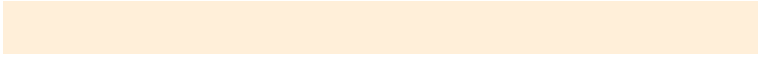
88.0028, 0.2889, 0.3276



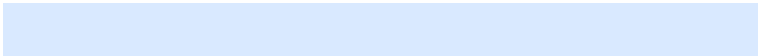
88.0028, 0.3120, 0.3087

Complementary

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



88.0028, 0.3374, 0.3509



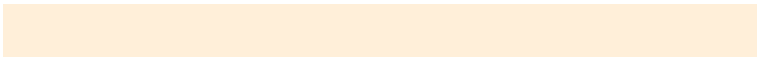
80.2065, 0.2892, 0.3061

Split Complementary

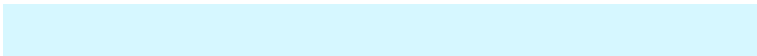
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.0028, 0.2982, 0.3047



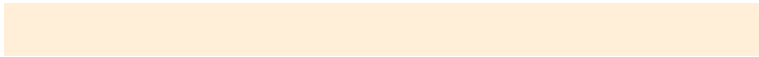
88.0028, 0.3374, 0.3509



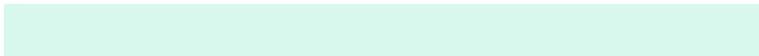
88.0028, 0.2851, 0.3153

Square

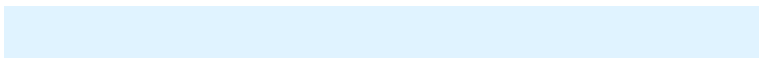
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.0028, 0.3374, 0.3509



88.0028, 0.2990, 0.3407



88.0028, 0.2885, 0.3070



88.0028, 0.3263, 0.3177

Rectangle

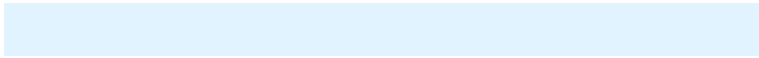
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.0028, 0.3374, 0.3509



88.0028, 0.3177, 0.3526



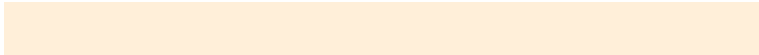
88.0028, 0.2885, 0.3070



88.0028, 0.3072, 0.3067

Sweetspot

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



88.0067, 0.3374, 0.3509



96.6592, 0.3189, 0.3347



76.7857, 0.3290, 0.3127



20.5568, 0.3201, 0.3358



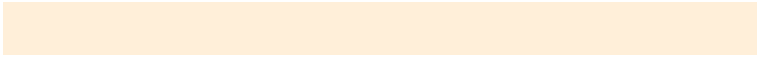
0.0000, 0.0000, 0.0000



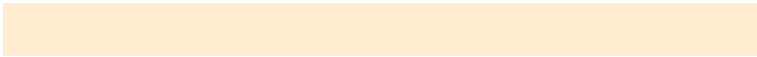
21.4041, 0.3127, 0.3290

Same Dimension

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



88.0067, 0.3374, 0.3509



85.7068, 0.3431, 0.3557



97.2723, 0.3335, 0.3662



19.7382, 0.3280, 0.3428



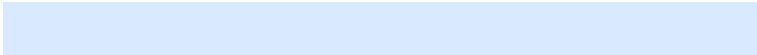
22.4732, 0.5176, 0.4272



2.4043, 0.5033, 0.4386

Inverse Universe

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



80.2065, 0.2892, 0.3061



76.4777, 0.2840, 0.3008



71.9858, 0.2902, 0.2893



18.6306, 0.2979, 0.3148



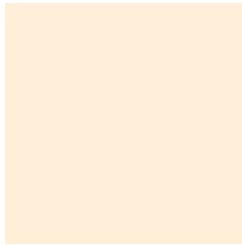
9.5497, 0.1699, 0.1317



1.1401, 0.1761, 0.1539

Previews

White Background



This preview shows how the Yxy color 88.0028, 0.3374, 0.3509 looks on a white background.

Color Contrast Check

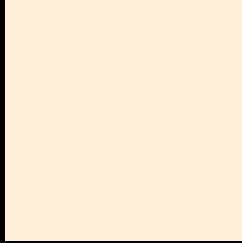
Large Text (above 18pt) WCAG AA × Fail

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 88.0028, 0.3374, 0.3509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

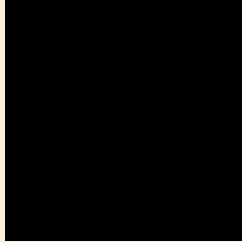
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 88.0028, 0.3374, 0.3509

Background



This preview shows how black text looks on a background with the Yxy color 88.0028, 0.3374, 0.3509.

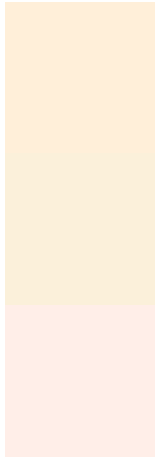


This preview shows how white text looks on a background with the Yxy color 88.0028, 0.3374, 0.3509.

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

88.0028, 0.3374, 0.3509

Protanopia

87.8914, 0.3339, 0.3510

Deuteranopia

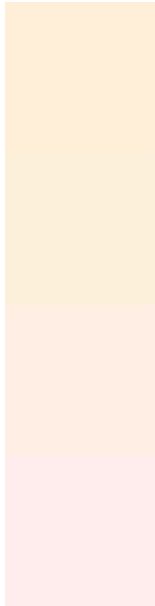
88.2353, 0.3279, 0.3349



Tritanopia

88.0905, 0.3173, 0.3164

Trichromacy



Original Color

88.0028, 0.3374, 0.3509

Protanomaly

88.0776, 0.3346, 0.3510

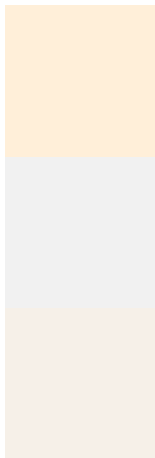
Deuteranomaly

87.9551, 0.3311, 0.3399

Tritanomaly

87.9428, 0.3248, 0.3290

Monochromacy



Original Color

88.0028, 0.3374, 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 88.0028, 0.3374, 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, 239, 217)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 217)  
}
```

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, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 217) }
```

Border

The CSS property to change the border of an element to Yxy 88.0028, 0.3374, 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, 239, 217) }
```

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

```
.border{ border-color:rgb(255, 239, 217) }
```

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, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 217);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 88.0028, 0.3374, 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, 239, 217) }
```

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

```
.background{ background-color: rgb(255,  
239, 217) }
```

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