

Converting Colors

$Yxy(87.1850, 0.3376, 0.3495)$

Have a look what the booklet for
Yxy(87.1850, 0.3376, 0.3495)
contains.

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Color

Yxy(87.4188, 0.3376, 0.3499)

Conversions

Conversions Part 1

Format	Color
Hex	FFEED9
RGB	255, 238, 217
RGB Percent	100%, 93%, 85%
CMY	0.0000, 0.0667, 0.1490
CMYK	0.00, 0.07, 0.15, 0.00
HSL	33°, 100%, 93%
HSV	33°, 15%, 100%
XYZ	84.3458, 87.4188, 78.0748
YIQ	240.6890, 16.8730, -2.9270

Conversions

Conversions Part 2

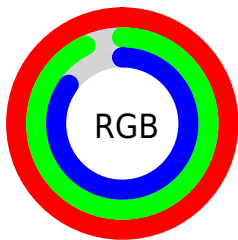
Format	Color
R _Y B	248, 255, 217
Decimal	16772825
CIE Lab	94.92, 2.40, 12.22
CIE LCh	95, 12.456, 78.898
Yxy	87.4188, 0.3376, 0.3499
Android (android.graphics.Color)	4294962905 (0xFFFFEED9)
YUV	240.6890, -11.6787, 12.5507
Hunter-Lab	93.4980, -2.5944, 15.9390

Details

The Yxy color **87.4188, 0.3376, 0.3499** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **80.8210, 0.2892, 0.3072**, and the grayscale version is **87.7879, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.0703, 0.3432, 0.3545** is the 20% darker color. If you saturate the color by 10%, you get **79.7567, 0.3570, 0.3647**, and if you desaturate by 10%, it is **95.7052, 0.3204, 0.3357**.

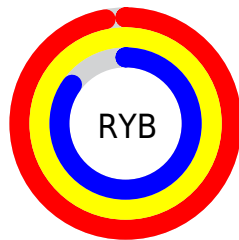
Distribution



Red (100%)

Green (93%)

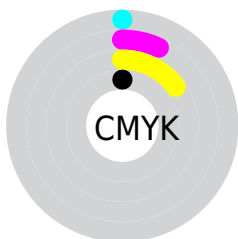
Blue (85%)



Red (97%)

Yellow (100%)

Blue (85%)

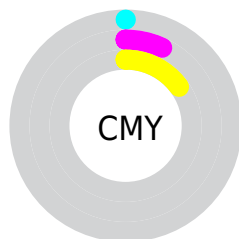


Cyan (0%)

Magenta (7%)

Yellow (15%)

Black (0%)



Cyan (0%)

Magenta (7%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.4188, 0.3376, 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 87.4188, 0.3376, 0.3499 by changing the saturation by 10% instead.

 87.4188, 0.3376,
0.3499

 87.4188, 0.3376,
0.3499


519.5980, 0.3264,
0.3406

 65.8418, 0.3401,
0.3519


143.7477, 0.3338,
0.3467

 48.1440, 0.3431,
0.3544


179.2685, 0.3323,
0.3455

 33.9410, 0.3469,
0.3575

220.2060, 0.3310,
0.3444

 22.8482, 0.3517,
0.3614

266.9446, 0.3298,
0.3435

 14.4815, 0.3581,
0.3666

319.8687, 0.3288,
0.3426

 8.4563, 0.3669,
0.3736

379.3627, 0.3279,

 4.3883, 0.3799,

0.3419

0.3839

445.8110, 0.3271,
0.3412

■ 1.8931, 0.4009,
0.3998

■ 0.5442, 0.5141,
0.4859

■ 87.4188, 0.3376,
0.3499

■ 87.4188, 0.3376,
0.3499

■ 79.7567, 0.3570,
0.3647

■ 95.7052, 0.3204,
0.3357

■ 72.7046, 0.3785,
0.3797

100.0000, 0.3127,
0.3290

■ 66.2435, 0.4020,
0.3943

■ 60.3541, 0.4270,
0.4074

■ 55.0159, 0.4526,
0.4179

■ 50.2062, 0.4775,
0.4247

■ 45.9000, 0.5002,
0.4264

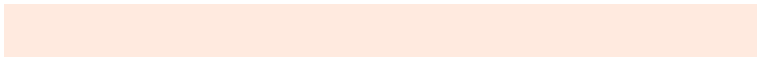
■ 42.0683, 0.5194,
0.4226

■ 40.2795, 0.5279,
0.4190

Harmonies

Analogous

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



87.4188, 0.3406, 0.3406



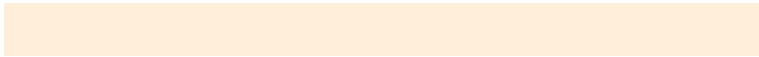
87.4188, 0.3376, 0.3499



87.4188, 0.3279, 0.3538

Triad

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



87.4188, 0.3376, 0.3499



87.4188, 0.2900, 0.3288



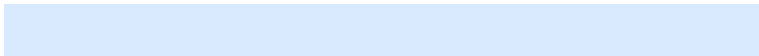
87.4188, 0.3108, 0.3084

Complementary

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



87.4188, 0.3376, 0.3499



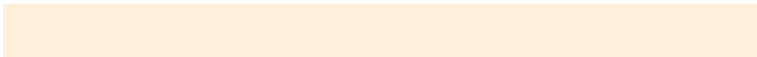
80.8210, 0.2892, 0.3072

Split Complementary

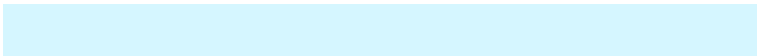
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.4188, 0.2974, 0.3051



87.4188, 0.3376, 0.3499



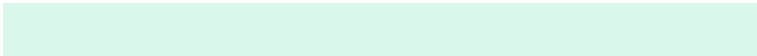
87.4188, 0.2856, 0.3165

Square

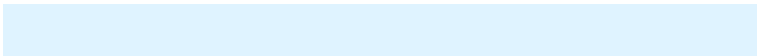
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.4188, 0.3376, 0.3499



87.4188, 0.3004, 0.3416



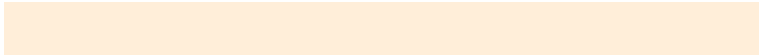
87.4188, 0.2883, 0.3079



87.4188, 0.3249, 0.3169

Rectangle

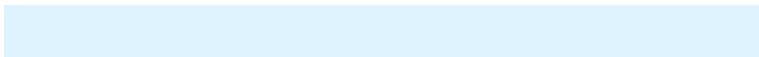
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.4188, 0.3376, 0.3499



87.4188, 0.3190, 0.3526



87.4188, 0.2883, 0.3079



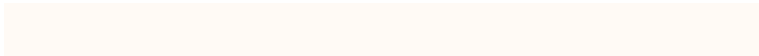
87.4188, 0.3060, 0.3067

Sweetspot

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



87.4179, 0.3376, 0.3499



96.4828, 0.3189, 0.3344



76.8339, 0.3286, 0.3120



20.5122, 0.3201, 0.3355



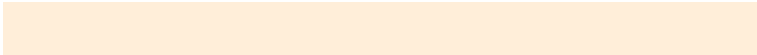
0.0000, 0.0000, 0.0000



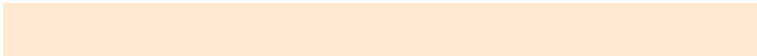
21.4041, 0.3127, 0.3290

Same Dimension

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



87.4179, 0.3376, 0.3499



84.9772, 0.3433, 0.3545



97.4314, 0.3339, 0.3662



19.6513, 0.3280, 0.3421



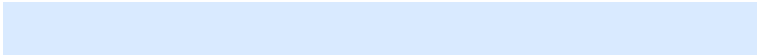
21.3496, 0.5257, 0.4208



2.2969, 0.5102, 0.4331

Inverse Universe

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



80.8210, 0.2892, 0.3072



77.1825, 0.2841, 0.3022



71.8926, 0.2898, 0.2892



18.7160, 0.2979, 0.3155



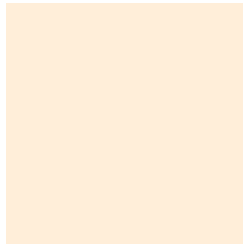
10.3608, 0.1723, 0.1403



1.2230, 0.1784, 0.1620

Previews

White Background



This preview shows how the Yxy color 87.4188, 0.3376, 0.3499 looks on a white background.

Color Contrast Check

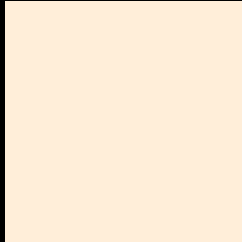
Large Text (above 18pt) WCAG AA × Fail

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 87.4188, 0.3376, 0.3499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

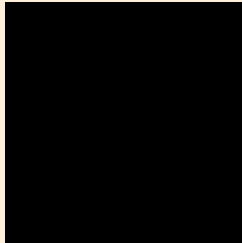
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.4188, 0.3376, 0.3499

Background



This preview shows how black text looks on a background with the Yxy color 87.4188, 0.3376, 0.3499.

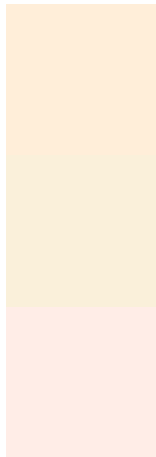


This preview shows how white text looks on a background with the Yxy color 87.4188, 0.3376, 0.3499.

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

87.4188, 0.3376, 0.3499

Protanopia

87.7061, 0.3332, 0.3511

Deuteranopia

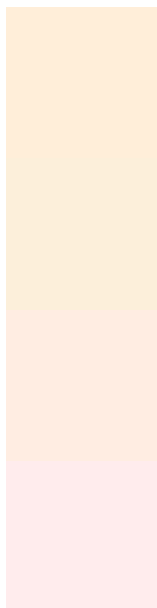
87.5979, 0.3286, 0.3349



Tritanopia

87.5162, 0.3174, 0.3154

Trichromacy



Original Color

87.4188, 0.3376, 0.3499

Protanomaly

87.4904, 0.3347, 0.3500

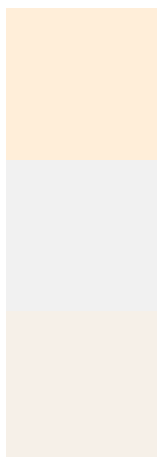
Deuteranomaly

87.3194, 0.3319, 0.3399

Tritanomaly

87.3653, 0.3249, 0.3281

Monochromacy



Original Color

87.4188, 0.3376, 0.3499

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 87.4188, 0.3376, 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, 238, 217)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 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, 238, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 217) }
```

Border

The CSS property to change the border of an element to Yxy 87.4188, 0.3376, 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, 238, 217) }
```

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

```
.border{ border-color:rgb(255, 238, 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, 238, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 238, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 238, 217); box-shadow:4px 4px 4px 4px rgb(255, 238, 217) }
```


Background

The CSS property to change the background color of an element to Yxy 87.4188, 0.3376, 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, 238, 217) }
```

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

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

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