

Converting Colors

$Y_{xy}(87.2295, 0.3278, 0.3319)$

Have a look what the booklet for
Yxy(87.2295, 0.3278, 0.3319)
contains.

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Color

Yxy(87.1341, 0.3275, 0.3320)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | FFECE9 |
| RGB | 255, 236, 233 |
| RGB Percent | 100%, 93%, 91% |
| CMY | 0.0000, 0.0745, 0.0863 |
| CMYK | 0.00, 0.07, 0.09, 0.00 |
| HSL | 8°, 100%, 96% |
| HSV | 8°, 9%, 100% |
| XYZ | 85.9531, 87.1341, 89.3649 |
| YIQ | 241.3390, 12.2870, 3.0950 |

Conversions

Conversions Part 2

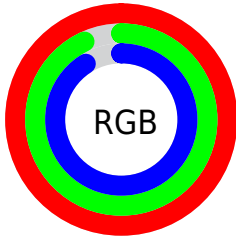
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 255, 236, 233 |
| Decimal | 16772329 |
| CIE Lab | 94.80, 5.95, 3.77 |
| CIE LCh | 95, 7.045, 32.366 |
| Yxy | 87.1341, 0.3275, 0.3320 |
| Android (android.graphics.Color) | 4294962409 (0xFFFFE9E9) |
| YUV | 241.3390, -4.1111, 11.9807 |
| Hunter-Lab | 93.3456, 1.0087, 8.5804 |

Details

The Yxy color **87.1341, 0.3275, 0.3320** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **94.1546, 0.2993, 0.3260**, and the grayscale version is **88.2642, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.8226, 0.3309, 0.3328** is the 20% darker color. If you saturate the color by 10%, you get **73.8722, 0.3481, 0.3357**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

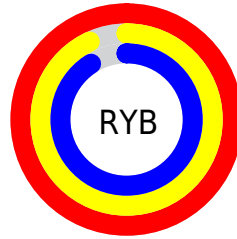
Distribution



Red (100%)

Green (93%)

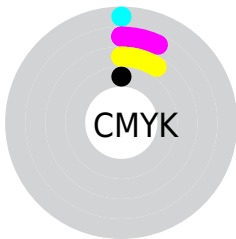
Blue (91%)



Red (100%)

Yellow (93%)

Blue (91%)

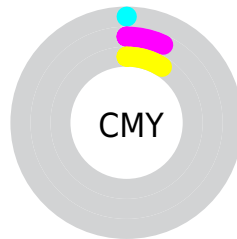


Cyan (0%)

Magenta (7%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.1341, 0.3275, 0.3320 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 87.1341, 0.3275, 0.3320 by changing the saturation by 10% instead.

 87.1341, 0.3275,
0.3320

 87.1341, 0.3275,
0.3320


518.6634, 0.3209,
0.3307

 65.6062, 0.3290,
0.3323


143.3510, 0.3252,
0.3316

 47.9528, 0.3308,
0.3326

178.8089, 0.3243,
0.3314

 33.7895, 0.3330,
0.3330


219.6788, 0.3236,
0.3312

 22.7319, 0.3359,
0.3335

266.3451, 0.3229,
0.3311

 14.3957, 0.3398,
0.3342

319.1924, 0.3223,
0.3310

 8.3964, 0.3452,
0.3351

378.6049, 0.3218,

 4.3496, 0.3532,

0.3309

0.3363

444.9671, 0.3213,
0.3308

■ 1.8710, 0.3666,
0.3382

■ 0.5309, 0.4347,
0.3551

■ 87.1341, 0.3275,
0.3320

■ 87.1341, 0.3275,
0.3320

■ 73.8722, 0.3481,
0.3357

100.0000, 0.3127,
0.3290

■ 62.3221, 0.3734,
0.3396

■ 52.4095, 0.4040,
0.3435

■ 44.0602, 0.4403,
0.3469

■ 37.1938, 0.4817,
0.3495

■ 31.7230, 0.5260,
0.3503

■ 27.5512, 0.5689,
0.3488

■ 24.5691, 0.6043,
0.3447

■ 22.6462, 0.6275,
0.3387

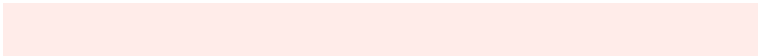
Harmonies

Analogous

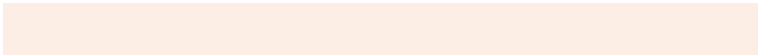
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.1341, 0.3228, 0.3250



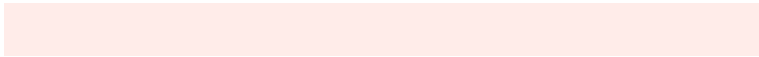
87.1341, 0.3275, 0.3320



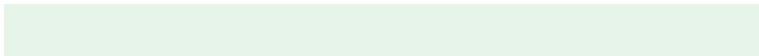
87.1341, 0.3282, 0.3383

Triad

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



87.1341, 0.3275, 0.3320



87.1341, 0.3100, 0.3393



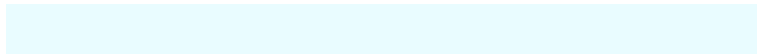
87.1341, 0.3008, 0.3159

Complementary

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



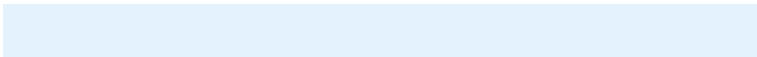
87.1341, 0.3275, 0.3320



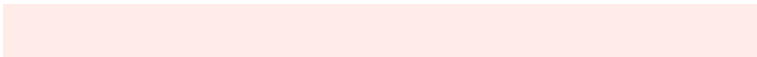
94.1546, 0.2993, 0.3260

Split Complementary

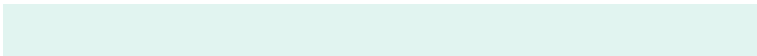
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.1341, 0.2975, 0.3195



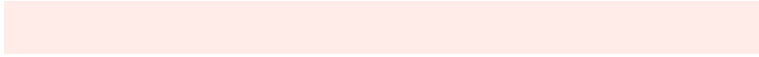
87.1341, 0.3275, 0.3320



87.1341, 0.3027, 0.3330

Square

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



87.1341, 0.3275, 0.3320



87.1341, 0.3180, 0.3427



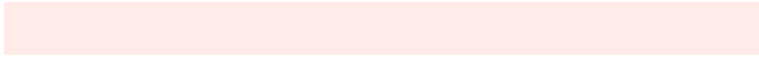
87.1341, 0.2982, 0.3257



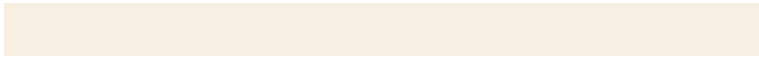
87.1341, 0.3073, 0.3158

Rectangle

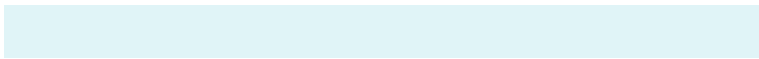
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



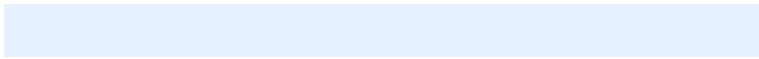
87.1341, 0.3275, 0.3320



87.1341, 0.3263, 0.3413



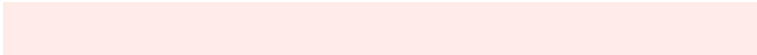
87.1341, 0.2982, 0.3257



87.1341, 0.2992, 0.3167

Sweetspot

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



87.1295, 0.3275, 0.3320



95.3757, 0.3176, 0.3300



86.5604, 0.3155, 0.3105



20.1557, 0.3189, 0.3303



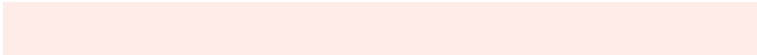
0.0000, 0.0000, 0.0000



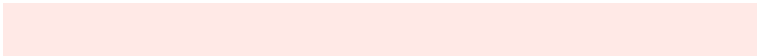
21.4041, 0.3127, 0.3290

Same Dimension

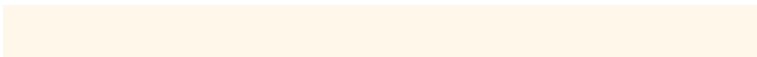
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.1295, 0.3275, 0.3320



85.2158, 0.3300, 0.3325



93.6191, 0.3264, 0.3426



18.3875, 0.3291, 0.3323



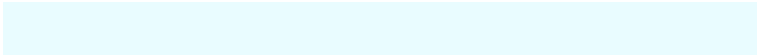
11.8545, 0.6280, 0.3396



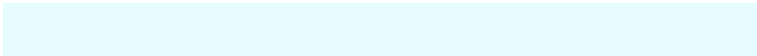
1.2709, 0.6102, 0.3537

Inverse Universe

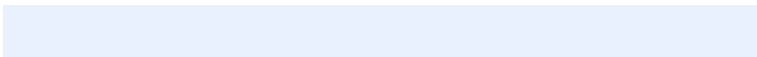
The Inverse Universe completely reimagines the original color for something new.



94.1546, 0.2993, 0.3260



93.2755, 0.2972, 0.3255



87.4843, 0.2993, 0.3150



20.0328, 0.2980, 0.3257



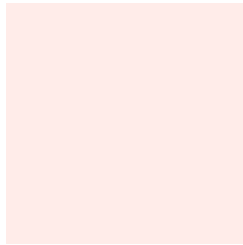
30.7172, 0.2125, 0.2850



3.1027, 0.2140, 0.2905

Previews

White Background



This preview shows how the Yxy color 87.1341, 0.3275, 0.3320 looks on a white background.

Color Contrast Check

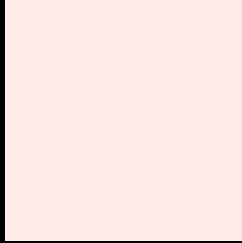
Large Text (above 18pt) WCAG AA × Fail

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 87.1341, 0.3275, 0.3320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

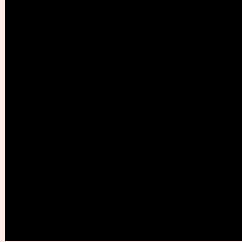
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

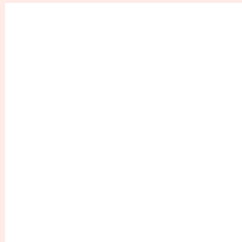
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.1341, 0.3275, 0.3320

Background



This preview shows how black text looks on a background with the Yxy color 87.1341, 0.3275, 0.3320.

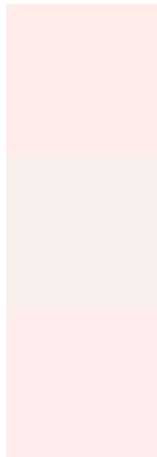


This preview shows how white text looks on a background with the Yxy color 87.1341, 0.3275, 0.3320.

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

87.1341, 0.3275, 0.3320

Protanopia

87.3240, 0.3198, 0.3330

Deuteranopia

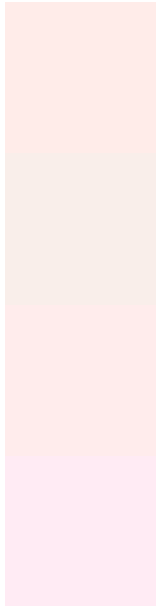
87.3653, 0.3249, 0.3281



Tritanopia

87.0078, 0.3168, 0.3135

Trichromacy



Original Color

87.1341, 0.3275, 0.3320

Protanomaly

87.2293, 0.3226, 0.3330

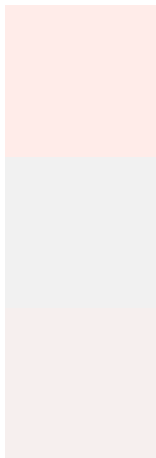
Deuteranomaly

87.3070, 0.3255, 0.3290

Tritanomaly

87.2083, 0.3205, 0.3203

Monochromacy



Original Color

87.1341, 0.3275, 0.3320

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

87.4989, 0.3180, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.1341, 0.3275, 0.3320 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, 236, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 233)  
}
```

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, 236, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 233) }
```

Border

The CSS property to change the border of an element to Yxy 87.1341, 0.3275, 0.3320 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, 236, 233) }
```

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

```
.border{ border-color:rgb(255, 236, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 236, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 87.1341, 0.3275, 0.3320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 233) }
```

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

```
.background{ background-color: rgb(255,  
236, 233) }
```

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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