

Converting Colors

$Yxy(87.0236, 0.3299, 0.3606)$

Have a look what the booklet for
Yxy(87.0236, 0.3299, 0.3606)
contains.

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Color

Yxy(86.7830, 0.3299, 0.3598)

Conversions

Conversions Part 1

Format	Color
Hex	F0F2D4
RGB	240, 242, 212
RGB Percent	94%, 95%, 83%
CMY	0.0588, 0.0510, 0.1686
CMYK	0.01, 0.00, 0.12, 0.05
HSL	64°, 54%, 89%
HSV	64°, 12%, 95%
XYZ	79.5712, 86.7830, 74.8437
YIQ	237.9820, 8.4380, -9.7540

Conversions

Conversions Part 2

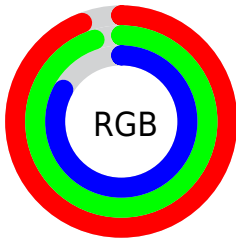
Format	Color
R_{YB}	212, 242, 214
Decimal	15790804
CIE _{Lab}	94.65, -5.68, 14.26
CIE _{LCh}	95, 15.353, 111.724
Yxy	86.7830, 0.3299, 0.3598
Android (android.graphics.Color)	4293980884 (0xFFFF0F2D4)
YUV	237.9820, -12.8091, 1.7698
Hunter-Lab	93.1574, -10.5581, 17.5759

Details

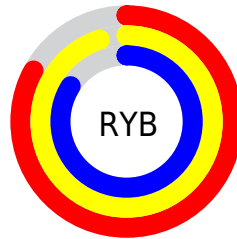
The Yxy color **86.7830, 0.3299, 0.3598** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **67.7954, 0.2944, 0.2965**, and the grayscale version is **85.5841, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.7425, 0.3340, 0.3673** is the 20% darker color. If you saturate the color by 10%, you get **85.3739, 0.3440, 0.3854**, and if you desaturate by 10%, it is **88.3852, 0.3160, 0.3348**.

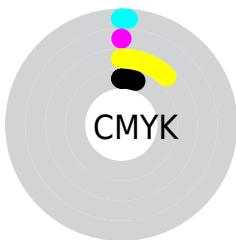
Distribution



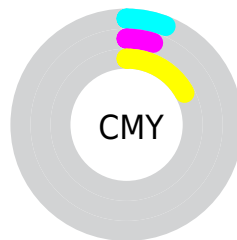
- Red (94%)
- Green (95%)
- Blue (83%)



- Red (83%)
- Yellow (95%)
- Blue (84%)



- Cyan (1%)
- Magenta (0%)
- Yellow (12%)
- Black (5%)




- Cyan (6%)
- Magenta (5%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.7830, 0.3299, 0.3598 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 86.7830, 0.3299, 0.3598 by changing the saturation by 10% instead.


 86.7830, 0.3299,
0.3598

 86.7830, 0.3299,
0.3598


517.5095, 0.3223,
0.3458

 65.3156, 0.3316,
0.3629

142.8616, 0.3273,
0.3550

 47.7171, 0.3336,
0.3667


178.2417, 0.3263,
0.3531

 33.6029, 0.3361,
0.3715


219.0281, 0.3254,
0.3515

 22.5887, 0.3393,
0.3777

265.6053, 0.3246,
0.3501

 14.2901, 0.3434,
0.3859

318.3577, 0.3239,
0.3488

 8.3227, 0.3490,
0.3975

377.6696, 0.3233,

 4.3021, 0.3571,

0.3477

0.4147

443.9254, 0.3228,
0.3467

■ 1.8440, 0.3703,
0.4445

■ 0.5144, 0.4050,
0.5950

■ 86.7830, 0.3299,
0.3598

■ 86.7830, 0.3299,
0.3598

■ 85.3739, 0.3440,
0.3854

■ 88.3852, 0.3160,
0.3348

■ 84.1385, 0.3579,
0.4110

■ 89.8240, 0.3058,
0.3162

■ 83.0719, 0.3710,
0.4356

■ 90.1132, 0.3068,
0.3163


■ 82.1644, 0.3828,
0.4582


■ 90.4049, 0.3078,
0.3163

 81.4057, 0.3926,
0.4778


 90.6991, 0.3088,
0.3164

 80.7842, 0.4001,
0.4935


 90.9959, 0.3099,
0.3164


 80.2862, 0.4049,
0.5048

 91.2952, 0.3109,
0.3165

 79.8956, 0.4072,
0.5117

 91.5971, 0.3120,
0.3165

 79.6515, 0.4075,
0.5146

 91.9016, 0.3130,
0.3165

Harmonies

Analogous

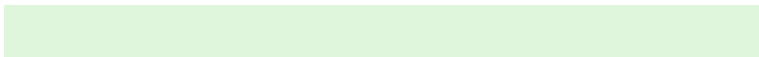
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.7830, 0.3427, 0.3555



86.7830, 0.3299, 0.3598



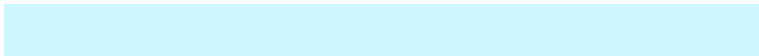
86.7830, 0.3128, 0.3553

Triad

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



86.7830, 0.3299, 0.3598



86.7830, 0.2793, 0.3122



86.7830, 0.3293, 0.3153

Complementary

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



86.7830, 0.3299, 0.3598



67.7954, 0.2944, 0.2965

Split Complementary

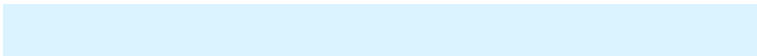
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.7830, 0.3119, 0.3045



86.7830, 0.3299, 0.3598



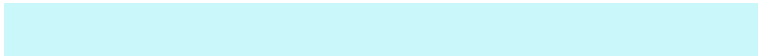
86.7830, 0.2834, 0.3023

Square

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



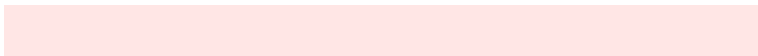
86.7830, 0.3299, 0.3598



86.7830, 0.2839, 0.3271



86.7830, 0.2952, 0.2997



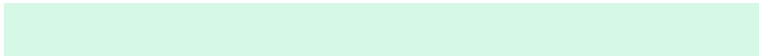
86.7830, 0.3424, 0.3297

Rectangle

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



86.7830, 0.3299, 0.3598



86.7830, 0.3013, 0.3479



86.7830, 0.2952, 0.2997



86.7830, 0.3237, 0.3112

Sweetspot

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



86.7868, 0.3299, 0.3598



99.2314, 0.3182, 0.3388



71.7256, 0.3350, 0.3312



21.2095, 0.3192, 0.3407



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.



86.7868, 0.3299, 0.3598



97.2955, 0.3336, 0.3665



84.2692, 0.3198, 0.3608



18.4022, 0.3258, 0.3524



42.8112, 0.4077, 0.5145



3.5775, 0.4093, 0.5132

Inverse Universe

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



67.7954, 0.2944, 0.2965



71.8242, 0.2900, 0.2889



70.1572, 0.3049, 0.2975



15.2791, 0.2990, 0.3046



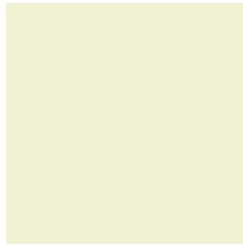
3.5240, 0.1521, 0.0611



0.3107, 0.1574, 0.0641

Previews

White Background



This preview shows how the Yxy color 86.7830, 0.3299, 0.3598 looks on a white background.

Color Contrast Check

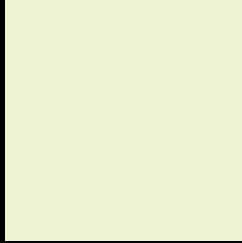
Large Text (above 18pt) WCAG AA × Fail

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 86.7830, 0.3299, 0.3598 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

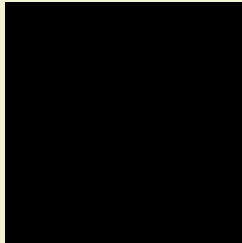
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

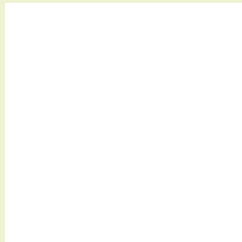
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.7830, 0.3299, 0.3598

Background



This preview shows how black text looks on a background with the Yxy color 86.7830, 0.3299, 0.3598.

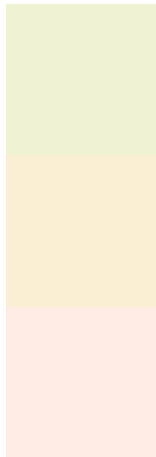


This preview shows how white text looks on a background with the Yxy color 86.7830, 0.3299, 0.3598.

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

86.7830, 0.3299, 0.3598

Protanopia

86.7101, 0.3385, 0.3583

Deuteranopia

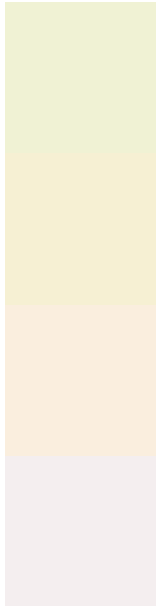
86.8523, 0.3307, 0.3369



Tritanopia

86.7395, 0.3083, 0.3113

Trichromacy



Original Color

86.7830, 0.3299, 0.3598

Protanomaly

86.6162, 0.3349, 0.3585

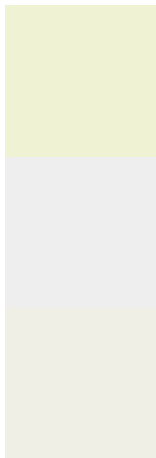
Deuteranomaly

86.7470, 0.3309, 0.3451

Tritanomaly

86.6142, 0.3161, 0.3280

Monochromacy



Original Color

86.7830, 0.3299, 0.3598

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.7409, 0.3189, 0.3392

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.7830, 0.3299, 0.3598 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(240, 242, 212)` looks like.

```
.text, #text, p{  
    color:rgb(240, 242, 212)  
}
```

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(240, 242, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 242, 212) }
```

Border

The CSS property to change the border of an element to Yxy 86.7830, 0.3299, 0.3598 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(240, 242, 212) }
```

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

```
.border{ border-color:rgb(240, 242, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 242, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 242, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 242, 212);  
box-shadow:4px 4px 4px 4px rgb(240, 242,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 86.7830, 0.3299, 0.3598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 242, 212) }
```

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

```
.background{ background-color: rgb(240,  
242, 212) }
```

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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