

Converting Colors

$Yxy(87.5766, 0.3198, 0.3667)$

Have a look what the booklet for
Yxy(87.5766, 0.3198, 0.3667)
contains.

Yxy(87.2825, 0.3193, 0.3658)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.2825, 0.3193, 0.3658)

Conversions

Conversions Part 1

Format	Color
Hex	E1F7D4
RGB	225, 247, 212
RGB Percent	88%, 97%, 83%
CMY	0.1178, 0.0313, 0.1685
CMYK	0.09, 0.00, 0.14, 0.03
HSL	98°, 69%, 90%
HSV	98°, 14%, 97%
XYZ	76.1873, 87.2825, 75.1374
YIQ	236.4320, -1.8770, -15.5490

Conversions

Conversions Part 2

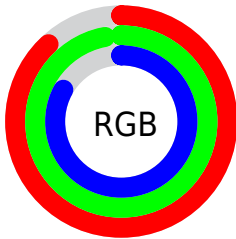
Format	Color
R _{YB}	212, 247, 234
Decimal	14809044
CIE Lab	94.86, -13.37, 14.40
CIE LCh	95, 19.650, 132.888
Yxy	87.2825, 0.3193, 0.3658
Android (android.graphics.Color)	4292999124 (0xFFE1F7D4)
YUV	236.4320, -12.0450, -10.0259
Hunter-Lab	93.4251, -17.9289, 17.7134

Details

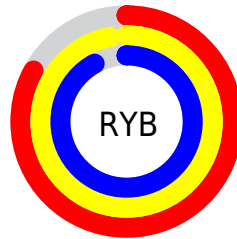
The Yxy color **87.2825, 0.3193, 0.3658** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **71.3264, 0.3052, 0.2929**, and the grayscale version is **84.3222, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.2420, 0.3212, 0.3752** is the 20% darker color. If you saturate the color by 10%, you get **83.7434, 0.3237, 0.3947**, and if you desaturate by 10%, it is **91.2483, 0.3147, 0.3393**.

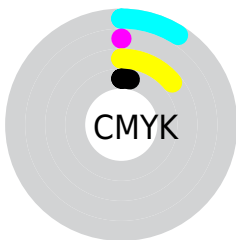
Distribution



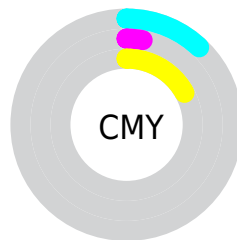
- Red (88%)
- Green (97%)
- Blue (83%)



- Red (83%)
- Yellow (97%)
- Blue (92%)



- Cyan (9%)
- Magenta (0%)
- Yellow (14%)
- Black (3%)




- Cyan (12%)
- Magenta (3%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.2825, 0.3193, 0.3658 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 87.2825, 0.3193, 0.3658 by changing the saturation by 10% instead.


 87.2825, 0.3193,
0.3658

 87.2825, 0.3193,
0.3658


519.1507, 0.3165,
0.3490

 65.7290, 0.3199,
0.3696

143.5578, 0.3184,
0.3600

 48.0525, 0.3205,
0.3743


179.0485, 0.3180,
0.3577

 33.8684, 0.3213,
0.3802


219.9536, 0.3177,
0.3558

 22.7925, 0.3223,
0.3878

266.6576, 0.3174,
0.3541

 14.4404, 0.3234,
0.3981

319.5450, 0.3172,
0.3525

 8.4276, 0.3248,
0.4128

379.0000, 0.3169,

 4.3698, 0.3263,

0.3512

0.4351

445.4071, 0.3167,
0.3500

■ 1.8825, 0.3280,
0.4743

■ 0.5378, 0.2557,
0.7443

■ 87.2825, 0.3193,
0.3658

■ 87.2825, 0.3193,
0.3658

■ 83.7434, 0.3237,
0.3947

■ 91.2483, 0.3147,
0.3393

■ 80.6049, 0.3275,
0.4256

■ 95.0114, 0.3131,
0.3214

■ 77.8551, 0.3306,
0.4575

■ 75.4774, 0.3324,
0.4891

■ 73.4536, 0.3326,
0.5188

■ 71.7637, 0.3311,
0.5446

■ 70.3854, 0.3277,
0.5650

■ 69.2925, 0.3228,
0.5789

■ 68.7677, 0.3196,
0.5844

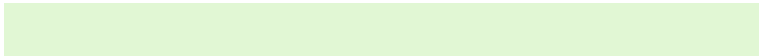
Harmonies

Analogous

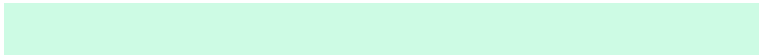
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.2825, 0.3402, 0.3680



87.2825, 0.3193, 0.3658



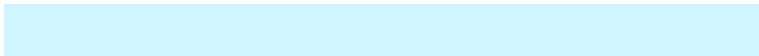
87.2825, 0.2972, 0.3526

Triad

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



87.2825, 0.3193, 0.3658



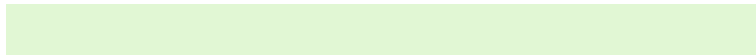
87.2825, 0.2728, 0.2977



87.2825, 0.3466, 0.3241

Complementary

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



87.2825, 0.3193, 0.3658



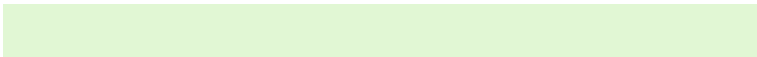
71.3264, 0.3052, 0.2929

Split Complementary

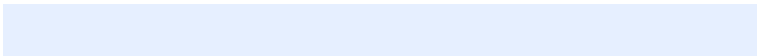
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.2825, 0.3275, 0.3070



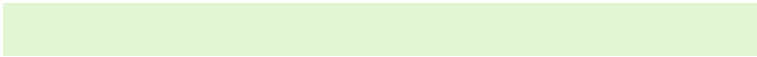
87.2825, 0.3193, 0.3658



87.2825, 0.2851, 0.2918

Square

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



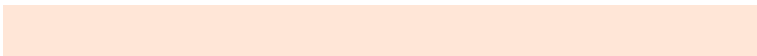
87.2825, 0.3193, 0.3658



87.2825, 0.2709, 0.3124



87.2825, 0.3049, 0.2953



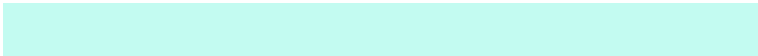
87.2825, 0.3564, 0.3431

Rectangle

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



87.2825, 0.3193, 0.3658



87.2825, 0.2847, 0.3397



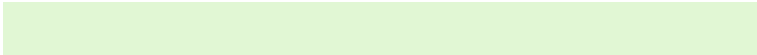
87.2825, 0.3049, 0.2953



87.2825, 0.3411, 0.3180

Sweetspot

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



87.2863, 0.3193, 0.3658



98.1607, 0.3146, 0.3389



83.1528, 0.3359, 0.3510



20.9382, 0.3149, 0.3408



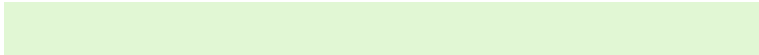
0.0000, 0.0000, 0.0000



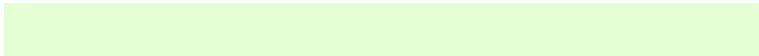
21.4041, 0.3127, 0.3290

Same Dimension

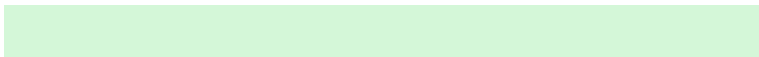
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.2863, 0.3193, 0.3658



92.6946, 0.3206, 0.3739



85.4965, 0.3086, 0.3622



18.7700, 0.3171, 0.3531



36.4374, 0.3207, 0.5835



3.2588, 0.3304, 0.5759

Inverse Universe

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



71.3264, 0.3052, 0.2929



72.4808, 0.3034, 0.2852



73.3460, 0.3171, 0.2979



16.4446, 0.3079, 0.3052



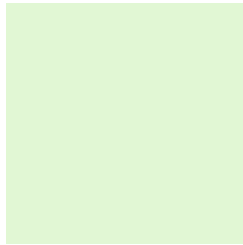
7.3607, 0.2300, 0.1041



0.7052, 0.2413, 0.1103

Previews

White Background



This preview shows how the Yxy color 87.2825, 0.3193, 0.3658 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 87.2825, 0.3193, 0.3658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

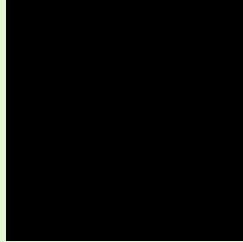
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

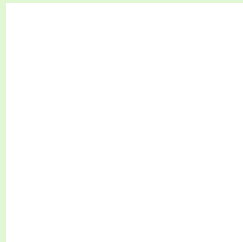
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.2825, 0.3193, 0.3658

Background



This preview shows how black text looks on a background with the Yxy color 87.2825, 0.3193, 0.3658.

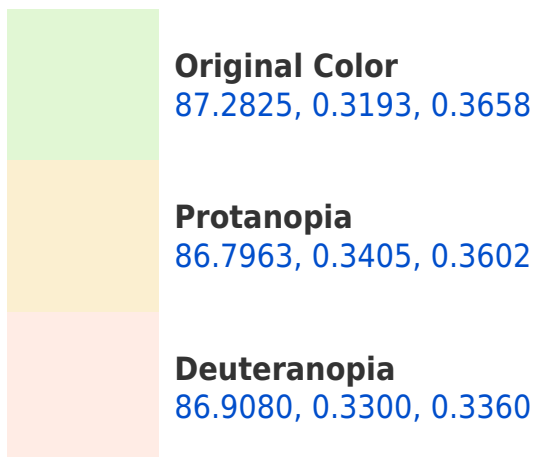


This preview shows how white text looks on a background with the Yxy color 87.2825, 0.3193, 0.3658.

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

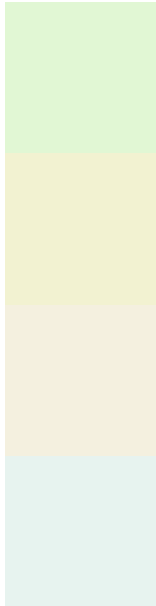




Tritanopia

87.0326, 0.2999, 0.3140

Trichromacy



Original Color

87.2825, 0.3193, 0.3658

Protanomaly

86.9850, 0.3332, 0.3628

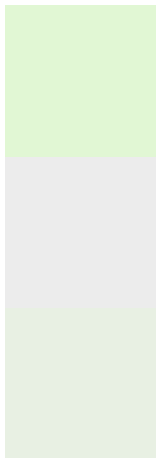
Deuteranomaly

86.8810, 0.3259, 0.3462

Tritanomaly

87.3221, 0.3074, 0.3331

Monochromacy



Original Color

87.2825, 0.3193, 0.3658

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

85.0220, 0.3154, 0.3424

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.2825, 0.3193, 0.3658 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(225, 247, 212)` looks like.

```
.text, #text, p{  
    color:rgb(225, 247, 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(225, 247, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 247, 212) }
```

Border

The CSS property to change the border of an element to Yxy 87.2825, 0.3193, 0.3658 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(225, 247, 212) }
```

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

```
.border{ border-color:rgb(225, 247, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 247, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 247, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 247, 212);  
box-shadow:4px 4px 4px 4px rgb(225, 247,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 87.2825, 0.3193, 0.3658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 247, 212) }
```

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

```
.background{ background-color: rgb(225,  
247, 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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