

Converting Colors

$Y_{xy}(87.1621, 0.3313, 0.3683)$

Have a look what the booklet for
Yxy(87.1621, 0.3313, 0.3683)
contains.

Yxy(87.1621, 0.3313, 0.3683)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.1621, 0.3313, 0.3683)

Conversions

Conversions Part 1

Format	Color
Hex	EDF4CE
RGB	237, 244, 206
RGB Percent	93%, 96%, 81%
CMY	0.0708, 0.0431, 0.1921
CMYK	0.03, 0.00, 0.16, 0.04
HSL	71°, 63%, 88%
HSV	71°, 16%, 96%
XYZ	78.4057, 87.1621, 71.0928
YIQ	237.5750, 8.0260, -13.3020

Conversions

Conversions Part 2

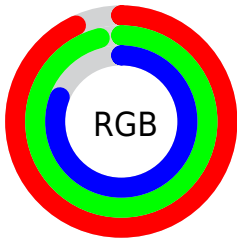
Format	Color
R _Y B	206, 244, 213
Decimal	15594702
CIE _{Lab}	94.81, -8.69, 17.54
CIE _{LCh}	95, 19.573, 116.352
Y _{xy}	87.1621, 0.3313, 0.3683
Android (android.graphics.Color)	4293784782 (0xFFEDF4CE)
YUV	237.5750, -15.5665, -0.5043
Hunter-Lab	93.3606, -13.4742, 20.2039

Details

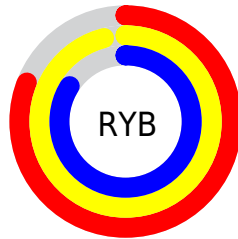
The Yxy color $87.1621, 0.3313, 0.3683$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $64.8414, 0.2923, 0.2877$, and the grayscale version is $85.2702, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $48.0572, 0.3350, 0.3769$ is the 20% darker color. If you saturate the color by 10%, you get $85.2994, 0.3433, 0.3948$, and if you desaturate by 10%, it is $89.2363, 0.3193, 0.3427$.

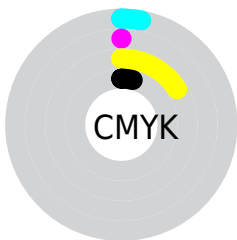
Distribution



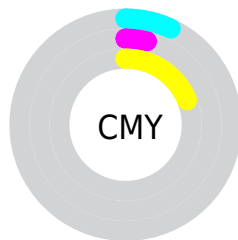
- Red (93%)
- Green (96%)
- Blue (81%)



- Red (81%)
- Yellow (96%)
- Blue (84%)



- Cyan (3%)
- Magenta (0%)
- Yellow (16%)
- Black (4%)





- Cyan (7%)
- Magenta (4%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.1621, 0.3313, 0.3683 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 87.1621, 0.3313, 0.3683 by changing the saturation by 10% instead.


 87.1621, 0.3313,
0.3683

 87.1621, 0.3313,
0.3683


518.7554, 0.3231,
0.3504

 65.6294, 0.3331,
0.3723

143.3901, 0.3285,
0.3622

 47.9716, 0.3352,
0.3772


178.8541, 0.3275,
0.3597

 33.8044, 0.3378,
0.3834

219.7306, 0.3265,
0.3577

 22.7434, 0.3411,
0.3913

266.4041, 0.3257,
0.3559

 14.4041, 0.3453,
0.4020

319.2589, 0.3249,
0.3543

 8.4023, 0.3509,
0.4169


378.6795, 0.3243,


 4.3534, 0.3586,


0.3528


0.4391


445.0502, 0.3237,
0.3516


 1.8732, 0.3741,
0.4821


 0.5322, 0.3556,
0.6444


 87.1621, 0.3313,
0.3683


 87.1621, 0.3313,
0.3683


 85.2994, 0.3433,
0.3948


 89.2363, 0.3193,
0.3427


 83.6282, 0.3548,
0.4214

 91.5186, 0.3076,
0.3185

 82.1430, 0.3654,
0.4472

 92.3609, 0.3104,
0.3184

 80.8337, 0.3744,
0.4711

 93.1926, 0.3132,
0.3185

■ 79.6891, 0.3813,
0.4920

■ 78.6966, 0.3859,
0.5090

■ 77.8416, 0.3877,
0.5213

■ 77.1060, 0.3871,
0.5291

■ 76.8064, 0.3863,
0.5315

Harmonies

Analogous

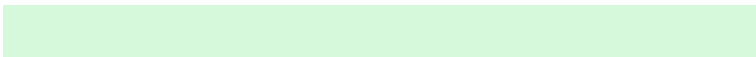
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.1621, 0.3489, 0.3642



87.1621, 0.3313, 0.3683



87.1621, 0.3092, 0.3610

Triad

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



87.1621, 0.3313, 0.3683



87.1621, 0.2706, 0.3050



87.1621, 0.3369, 0.3143

Complementary

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



87.1621, 0.3313, 0.3683



64.8414, 0.2923, 0.2877

Split Complementary

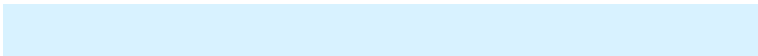
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.1621, 0.3151, 0.2998



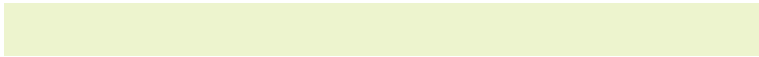
87.1621, 0.3313, 0.3683



87.1621, 0.2773, 0.2940

Square

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



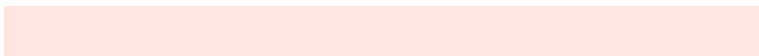
87.1621, 0.3313, 0.3683



87.1621, 0.2746, 0.3232



87.1621, 0.2933, 0.2924



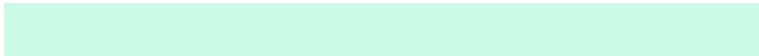
87.1621, 0.3523, 0.3327

Rectangle

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



87.1621, 0.3313, 0.3683



87.1621, 0.2949, 0.3505



87.1621, 0.2933, 0.2924



87.1621, 0.3300, 0.3088

Sweetspot

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



87.1659, 0.3313, 0.3683



98.7590, 0.3186, 0.3413



71.2733, 0.3410, 0.3364



21.1022, 0.3195, 0.3431



0.0000, 0.0000, 0.0000



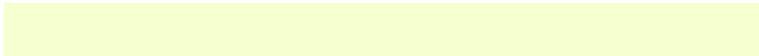
21.4041, 0.3127, 0.3290

Same Dimension

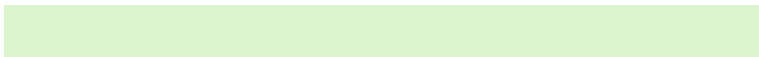
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.1659, 0.3313, 0.3683



95.5943, 0.3355, 0.3774



84.0827, 0.3186, 0.3699



19.1487, 0.3240, 0.3526



41.8120, 0.3868, 0.5311



3.7143, 0.3911, 0.5277

Inverse Universe

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



64.8414, 0.2923, 0.2877



66.1597, 0.2871, 0.2775



67.8362, 0.3058, 0.2894



16.0749, 0.3008, 0.3047



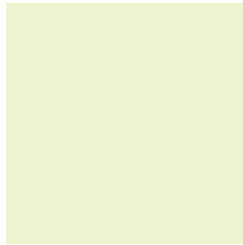
3.9021, 0.1587, 0.0648



0.3826, 0.1694, 0.0707

Previews

White Background



This preview shows how the Yxy color 87.1621, 0.3313, 0.3683 looks on a white background.

Color Contrast Check

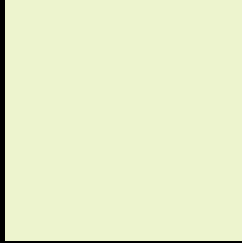
Large Text (above 18pt) WCAG AA × Fail

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 87.1621, 0.3313, 0.3683 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

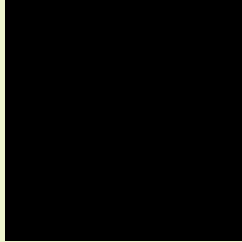
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

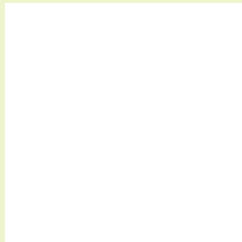
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.1621, 0.3313, 0.3683

Background



This preview shows how black text looks on a background with the Yxy color 87.1621, 0.3313, 0.3683.

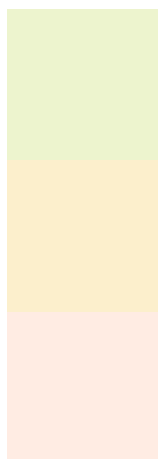


This preview shows how white text looks on a background with the Yxy color 87.1621, 0.3313, 0.3683.

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

87.1621, 0.3313, 0.3683

Protanopia

86.7881, 0.3438, 0.3643

Deuteranopia

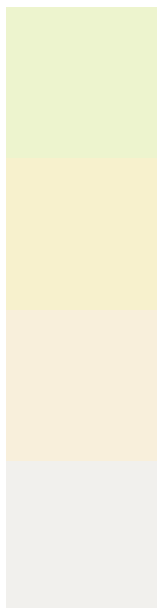
86.7970, 0.3313, 0.3379



Tritanopia

87.0215, 0.3064, 0.3113

Trichromacy



Original Color

87.1621, 0.3313, 0.3683

Protanomaly

87.0925, 0.3393, 0.3656

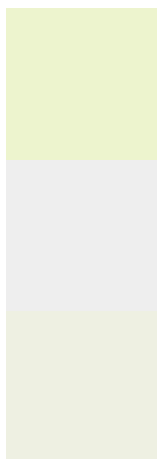
Deuteranomaly

86.8039, 0.3313, 0.3492

Tritanomaly

87.1354, 0.3152, 0.3320

Monochromacy



Original Color

87.1621, 0.3313, 0.3683

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.9883, 0.3200, 0.3433

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.1621, 0.3313, 0.3683 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(237, 244, 206)` looks like.

```
.text, #text, p{  
    color:rgb(237, 244, 206)  
}
```

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(237, 244, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 244, 206) }
```

Border

The CSS property to change the border of an element to Yxy 87.1621, 0.3313, 0.3683 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(237, 244, 206) }
```

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

```
.border{ border-color:rgb(237, 244, 206) }
```

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

Here you see how a box with a 4 pixel rgb(237, 244, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 244, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 244, 206);  
box-shadow:4px 4px 4px 4px rgb(237, 244,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 87.1621, 0.3313, 0.3683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 244, 206) }
```

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

```
.background{ background-color: rgb(237,  
244, 206) }
```

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