

Converting Colors

$Yxy(87.2713, 0.3212, 0.3637)$

Have a look what the booklet for
Yxy(87.2713, 0.3212, 0.3637)
contains.

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Color

Yxy(87.2096, 0.3208, 0.3635)

Conversions

Conversions Part 1

Format	Color
Hex	E4F6D5
RGB	228, 246, 213
RGB Percent	89%, 96%, 84%
CMY	0.1058, 0.0353, 0.1646
CMYK	0.07, 0.00, 0.13, 0.04
HSL	93°, 65%, 90%
HSV	93°, 13%, 96%
XYZ	76.9652, 87.2096, 75.7416
YIQ	236.8560, -0.1350, -14.0790

Conversions

Conversions Part 2

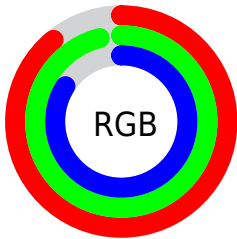
Format	Color
R _Y B	213, 246, 231
Decimal	15005397
CIE _{Lab}	94.83, -11.66, 13.87
CIE _{LCh}	95, 18.124, 130.061
Y _{xy}	87.2096, 0.3208, 0.3635
Android (android.graphics.Color)	4293195477 (0xFFE4F6D5)
Y _{UV}	236.8560, -11.7610, -7.7667
Hunter-Lab	93.3861, -16.3129, 17.2826

Details

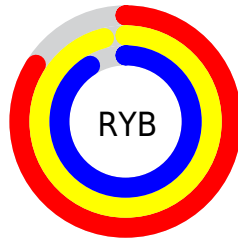
The Yxy color **87.2096, 0.3208, 0.3635** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **71.2455, 0.3036, 0.2948**, and the grayscale version is **84.6683, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.0662, 0.3222, 0.3723** is the 20% darker color. If you saturate the color by 10%, you get **83.9466, 0.3266, 0.3918**, and if you desaturate by 10%, it is **90.8401, 0.3148, 0.3374**.

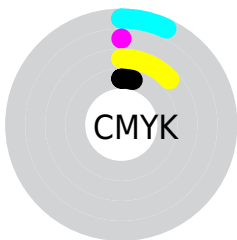
Distribution



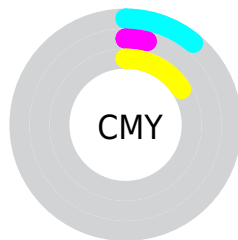
- Red (89%)
- Green (96%)
- Blue (84%)



- Red (84%)
- Yellow (96%)
- Blue (91%)



- Cyan (7%)
- Magenta (0%)
- Yellow (13%)
- Black (4%)





- Cyan (11%)
- Magenta (4%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.2096, 0.3208, 0.3635 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 87.2096, 0.3208, 0.3635 by changing the saturation by 10% instead.


 87.2096, 0.3208,
0.3635

 87.2096, 0.3208,
0.3635

518.9114, 0.3173,
0.3477

 65.6687, 0.3215,
0.3671

143.4563, 0.3196,
0.3581

 48.0035, 0.3224,
0.3714


178.9308, 0.3192,
0.3559

 33.8297, 0.3235,
0.3769


219.8186, 0.3188,
0.3541

 22.7628, 0.3247,
0.3840

266.5041, 0.3184,
0.3525

 14.4184, 0.3264,
0.3936

319.3718, 0.3181,
0.3511

 8.4123, 0.3284,
0.4072

378.8060, 0.3178,

 4.3599, 0.3310,

0.3499

0.4278

445.1910, 0.3176,
0.3487

■ 1.8768, 0.3345,
0.4636

■ 0.5344, 0.2946,
0.7054

■ 87.2096, 0.3208,
0.3635

■ 87.2096, 0.3208,
0.3635

■ 83.9466, 0.3266,
0.3918

■ 90.8401, 0.3148,
0.3374

■ 81.0273, 0.3320,
0.4218

■ 94.3643, 0.3130,
0.3204

■ 78.4424, 0.3364,
0.4526

■ 94.3925, 0.3131,
0.3204

■ 76.1779, 0.3396,
0.4830

■ 74.2184, 0.3410,
0.5115

■ 72.5471, 0.3405,
0.5365

■ 71.1450, 0.3378,
0.5564

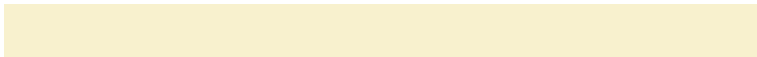
■ 69.9898, 0.3331,
0.5703

■ 69.3437, 0.3294,
0.5766

Harmonies

Analogous

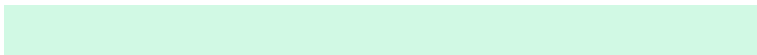
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.2096, 0.3397, 0.3646



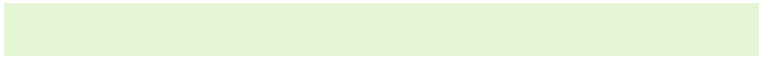
87.2096, 0.3208, 0.3635



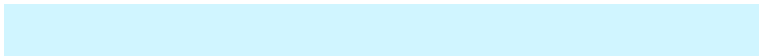
87.2096, 0.3002, 0.3522

Triad

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



87.2096, 0.3208, 0.3635



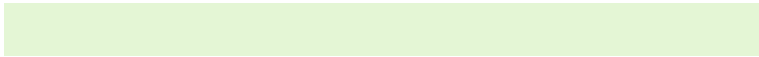
87.2096, 0.2752, 0.3011



87.2096, 0.3426, 0.3229

Complementary

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



87.2096, 0.3208, 0.3635



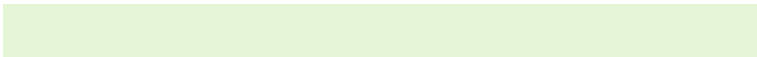
71.2455, 0.3036, 0.2948

Split Complementary

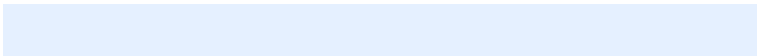
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.2096, 0.3245, 0.3073



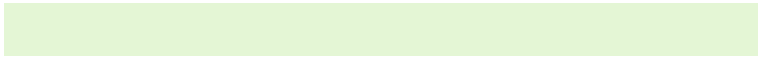
87.2096, 0.3208, 0.3635



87.2096, 0.2858, 0.2947

Square

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



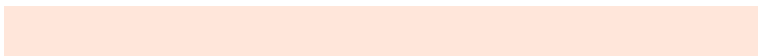
87.2096, 0.3208, 0.3635



87.2096, 0.2744, 0.3154



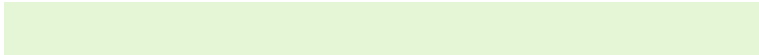
87.2096, 0.3036, 0.2971



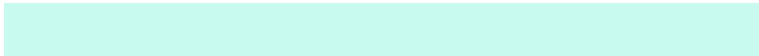
87.2096, 0.3526, 0.3405

Rectangle

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



87.2096, 0.3208, 0.3635



87.2096, 0.2883, 0.3407



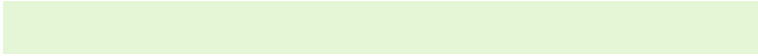
87.2096, 0.3036, 0.2971



87.2096, 0.3373, 0.3173

Sweetspot

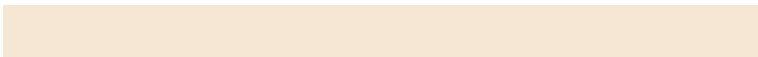
The Sweet Spot groups the original color and five complimentary colors.



87.2134, 0.3208, 0.3635



98.3202, 0.3151, 0.3389



81.3331, 0.3349, 0.3471



20.9785, 0.3156, 0.3408



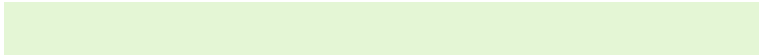
0.0000, 0.0000, 0.0000



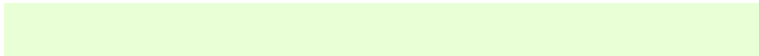
21.4041, 0.3127, 0.3290

Same Dimension

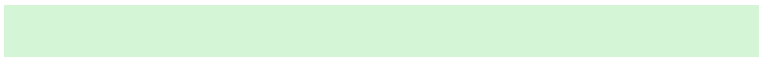
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.2134, 0.3208, 0.3635



93.6654, 0.3224, 0.3707



84.9234, 0.3104, 0.3633



18.8408, 0.3184, 0.3530



37.0934, 0.3306, 0.5757



3.3204, 0.3403, 0.5680

Inverse Universe

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



71.2455, 0.3036, 0.2948



73.3259, 0.3016, 0.2876



73.7799, 0.3150, 0.2969



16.3722, 0.3065, 0.3051



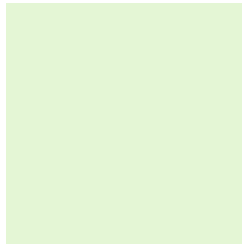
6.3504, 0.2114, 0.0938



0.6192, 0.2244, 0.1010

Previews

White Background



This preview shows how the Yxy color 87.2096, 0.3208, 0.3635 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 87.2096, 0.3208, 0.3635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

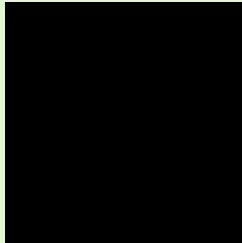
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

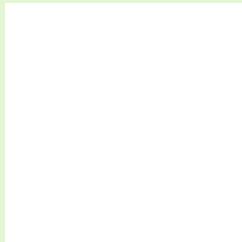
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.2096, 0.3208, 0.3635

Background



This preview shows how black text looks on a background with the Yxy color 87.2096, 0.3208, 0.3635.

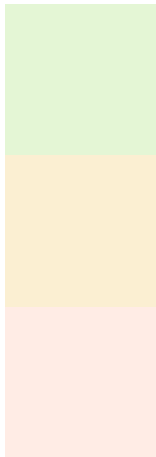


This preview shows how white text looks on a background with the Yxy color 87.2096, 0.3208, 0.3635.

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

87.2096, 0.3208, 0.3635

Protanopia

86.8954, 0.3392, 0.3582

Deuteranopia

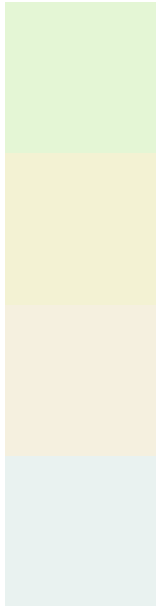
86.9080, 0.3300, 0.3360



Tritanopia

87.3730, 0.3012, 0.3140

Trichromacy



Original Color

87.2096, 0.3208, 0.3635

Protanomaly

87.2621, 0.3326, 0.3606

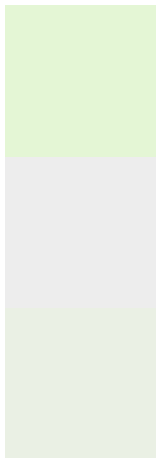
Deuteranomaly

87.0604, 0.3266, 0.3462

Tritanomaly

87.1192, 0.3081, 0.3310

Monochromacy



Original Color

87.2096, 0.3208, 0.3635

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

85.4140, 0.3161, 0.3413

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.2096, 0.3208, 0.3635 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(228, 246, 213)` looks like.

```
.text, #text, p{  
    color:rgb(228, 246, 213)  
}
```

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(228, 246, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 246, 213) }
```

Border

The CSS property to change the border of an element to Yxy 87.2096, 0.3208, 0.3635 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(228, 246, 213) }
```

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

```
.border{ border-color:rgb(228, 246, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 246, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 246, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 246, 213);  
box-shadow:4px 4px 4px 4px rgb(228, 246,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 87.2096, 0.3208, 0.3635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 246, 213) }
```

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

```
.background{ background-color: rgb(228,  
246, 213) }
```

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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