

Converting Colors

$Yxy(87.2265, 0.3233, 0.3667)$

Have a look what the booklet for
Yxy(87.2265, 0.3233, 0.3667)
contains.

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Color

Yxy(87.2227, 0.3233, 0.3667)

Conversions

Conversions Part 1

Format	Color
Hex	E5F6D2
RGB	229, 246, 210
RGB Percent	90%, 96%, 82%
CMY	0.1019, 0.0353, 0.1766
CMYK	0.07, 0.00, 0.15, 0.04
HSL	88°, 67%, 89%
HSV	88°, 15%, 96%
XYZ	76.8996, 87.2227, 73.7361
YIQ	236.8130, 1.4240, -14.8000

Conversions

Conversions Part 2

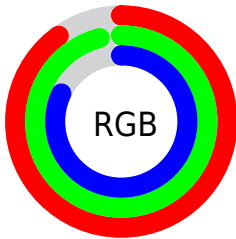
Format	Color
R _Y B	210, 246, 227
Decimal	15070930
CIE Lab	94.83, -11.82, 15.46
CIE LCh	95, 19.460, 127.403
Yxy	87.2227, 0.3233, 0.3667
Android (android.graphics.Color)	4293261010 (0xFFE5F6D2)
YUV	236.8130, -13.2188, -6.8520
Hunter-Lab	93.3931, -16.4615, 18.5643

Details

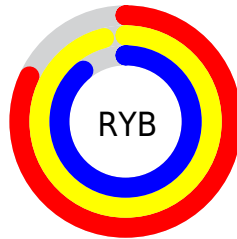
The Yxy color $87.2227, 0.3233, 0.3667$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $69.0607, 0.3008, 0.2912$, and the grayscale version is $84.6409, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $48.0777, 0.3254, 0.3764$ is the 20% darker color. If you saturate the color by 10%, you get $84.2471, 0.3303, 0.3948$, and if you desaturate by 10%, it is $90.5220, 0.3161, 0.3405$.

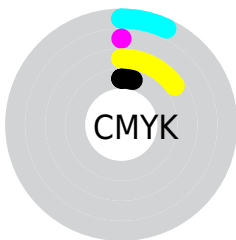
Distribution



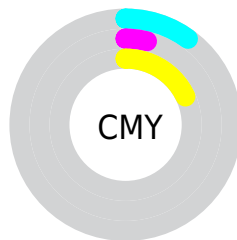
- Red (90%)
- Green (96%)
- Blue (82%)



- Red (82%)
- Yellow (96%)
- Blue (89%)



- Cyan (7%)
- Magenta (0%)
- Yellow (15%)
- Black (4%)





- Cyan (10%)
- Magenta (4%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.2227, 0.3233, 0.3667 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 87.2227, 0.3233, 0.3667 by changing the saturation by 10% instead.


 87.2227, 0.3233,
0.3667

 87.2227, 0.3233,
0.3667


518.9544, 0.3187,
0.3495

 65.6795, 0.3243,
0.3706


143.4745, 0.3218,
0.3608

 48.0123, 0.3254,
0.3754


178.9519, 0.3212,
0.3584

 33.8366, 0.3268,
0.3814


219.8429, 0.3206,
0.3564

 22.7681, 0.3285,
0.3891


266.5317, 0.3202,
0.3547

 14.4224, 0.3307,
0.3996

319.4029, 0.3198,
0.3532

 8.4150, 0.3335,
0.4144

378.8408, 0.3194,

 4.3616, 0.3371,

0.3518

0.4369

445.2299, 0.3190,
0.3506

■ 1.8778, 0.3430,
0.4773

■ 0.5350, 0.2913,
0.7087

■ 87.2227, 0.3233,
0.3667

■ 87.2227, 0.3233,
0.3667

■ 84.2471, 0.3303,
0.3948

■ 90.5220, 0.3161,
0.3405

■ 81.5728, 0.3368,
0.4242

■ 93.8724, 0.3113,
0.3204

■ 79.1918, 0.3424,
0.4541

■ 94.3959, 0.3131,
0.3204

■ 77.0914, 0.3465,
0.4832

■ 75.2578, 0.3488,
0.5101

■ 73.6755, 0.3489,
0.5332

■ 72.3272, 0.3466,
0.5514

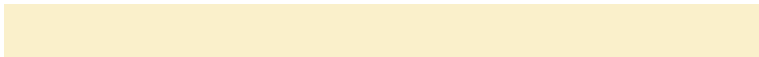
■ 71.1918, 0.3422,
0.5639

■ 70.6564, 0.3393,
0.5688

Harmonies

Analogous

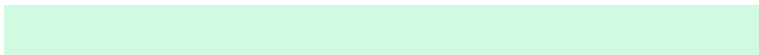
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.2227, 0.3431, 0.3667



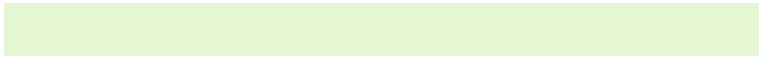
87.2227, 0.3233, 0.3667



87.2227, 0.3012, 0.3555

Triad

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



87.2227, 0.3233, 0.3667



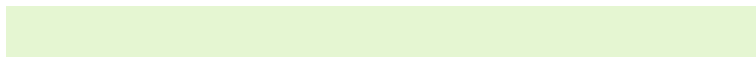
87.2227, 0.2720, 0.3001



87.2227, 0.3434, 0.3208

Complementary

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



87.2227, 0.3233, 0.3667



69.0607, 0.3008, 0.2912

Split Complementary

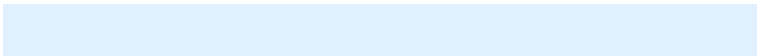
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.2227, 0.3234, 0.3046



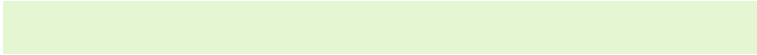
87.2227, 0.3233, 0.3667



87.2227, 0.2824, 0.2925

Square

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



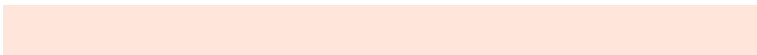
87.2227, 0.3233, 0.3667



87.2227, 0.2721, 0.3160



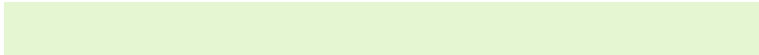
87.2227, 0.3010, 0.2943



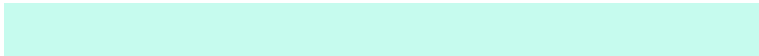
87.2227, 0.3551, 0.3396

Rectangle

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



87.2227, 0.3233, 0.3667



87.2227, 0.2881, 0.3433



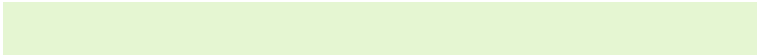
87.2227, 0.3010, 0.2943



87.2227, 0.3374, 0.3149

Sweetspot

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



87.2265, 0.3233, 0.3667



98.4590, 0.3156, 0.3389



79.0686, 0.3375, 0.3464



21.0136, 0.3162, 0.3408



0.0000, 0.0000, 0.0000



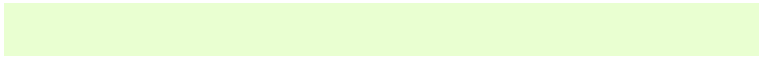
21.4041, 0.3127, 0.3290

Same Dimension

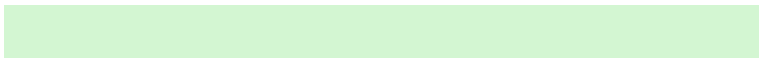
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.2265, 0.3233, 0.3667



93.5098, 0.3257, 0.3760



84.4422, 0.3116, 0.3681



18.9027, 0.3196, 0.3529



37.7954, 0.3405, 0.5679



3.3830, 0.3497, 0.5605

Inverse Universe

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



69.0607, 0.3008, 0.2912



69.8186, 0.2977, 0.2818



72.1115, 0.3136, 0.2926



16.3101, 0.3053, 0.3051



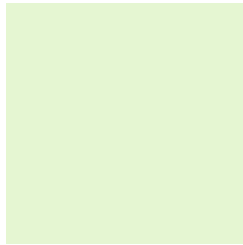
5.6181, 0.1969, 0.0858



0.5544, 0.2106, 0.0934

Previews

White Background



This preview shows how the Yxy color 87.2227, 0.3233, 0.3667 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 87.2227, 0.3233, 0.3667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

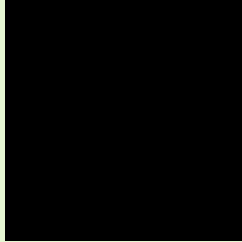
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

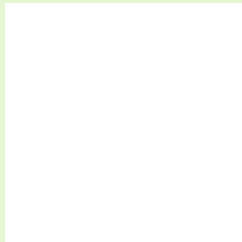
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.2227, 0.3233, 0.3667

Background



This preview shows how black text looks on a background with the Yxy color 87.2227, 0.3233, 0.3667.

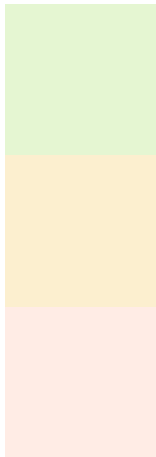


This preview shows how white text looks on a background with the Yxy color 87.2227, 0.3233, 0.3667.

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

87.2227, 0.3233, 0.3667

Protanopia

86.9334, 0.3418, 0.3612

Deuteranopia

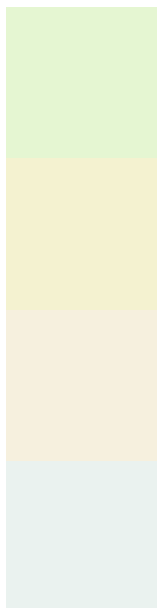
86.9080, 0.3300, 0.3360



Tritanopia

86.9575, 0.3018, 0.3131

Trichromacy



Original Color

87.2227, 0.3233, 0.3667

Protanomaly

87.2914, 0.3352, 0.3637

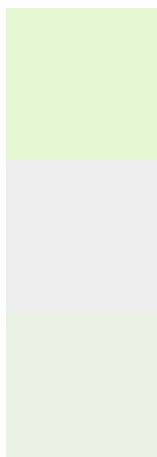
Deuteranomaly

87.1869, 0.3279, 0.3472

Tritanomaly

87.2287, 0.3093, 0.3320

Monochromacy



Original Color

87.2227, 0.3233, 0.3667

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

85.3587, 0.3167, 0.3424

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.2227, 0.3233, 0.3667 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(229, 246, 210)` looks like.

```
.text, #text, p{  
    color:rgb(229, 246, 210)  
}
```

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(229, 246, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 246, 210) }
```

Border

The CSS property to change the border of an element to Yxy 87.2227, 0.3233, 0.3667 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(229, 246, 210) }
```

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

```
.border{ border-color:rgb(229, 246, 210) }
```

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

Here you see how a box with a 4 pixel rgb(229, 246, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 246, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 246, 210);  
box-shadow:4px 4px 4px 4px rgb(229, 246,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 87.2227, 0.3233, 0.3667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 246, 210) }
```

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

```
.background{ background-color: rgb(229,  
246, 210) }
```

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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