

Converting Colors

$Yxy(89.3850, 0.3235, 0.3705)$

Have a look what the booklet for
Yxy(89.3850, 0.3235, 0.3705)
contains.

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Color

Yxy(89.0625, 0.3230, 0.3696)

Conversions

Conversions Part 1

Format	Color
Hex	E5F9D2
RGB	229, 249, 210
RGB Percent	90%, 98%, 82%
CMY	0.1018, 0.0236, 0.1764
CMYK	0.08, 0.00, 0.16, 0.02
HSL	91°, 76%, 90%
HSV	91°, 16%, 98%
XYZ	77.8333, 89.0625, 74.0742
YIQ	238.5740, 0.5990, -16.3690

Conversions

Conversions Part 2

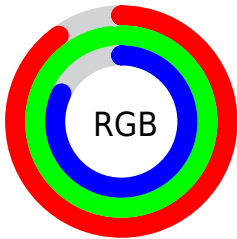
Format	Color
R _Y B	210, 249, 230
Decimal	15071698
CIE Lab	95.61, -13.28, 16.53
CIE LCh	96, 21.199, 128.783
Yxy	89.0625, 0.3230, 0.3696
Android (android.graphics.Color)	4293261778 (0xFFE5F9D2)
YUV	238.5740, -14.0870, -8.3964
Hunter-Lab	94.3729, -17.9362, 19.5238

Details

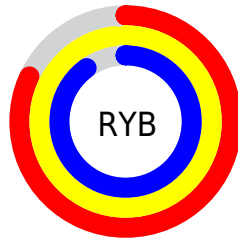
The Yxy color **89.0625, 0.3230, 0.3696** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **69.7616, 0.3010, 0.2885**, and the grayscale version is **86.0875, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.3907, 0.3249, 0.3801** is the 20% darker color. If you saturate the color by 10%, you get **85.8991, 0.3293, 0.3981**, and if you desaturate by 10%, it is **92.5807, 0.3164, 0.3430**.

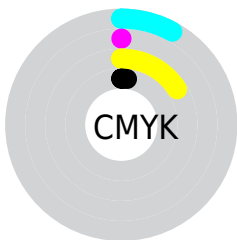
Distribution



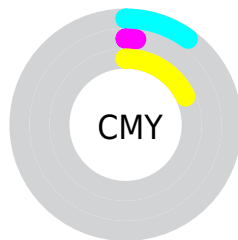
- Red (90%)
- Green (98%)
- Blue (82%)



- Red (82%)
- Yellow (98%)
- Blue (90%)



- Cyan (8%)
- Magenta (0%)
- Yellow (16%)
- Black (2%)




- Cyan (10%)
- Magenta (2%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.0625, 0.3230, 0.3696 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 89.0625, 0.3230, 0.3696 by changing the saturation by 10% instead.


 89.0625, 0.3230,
0.3696

 89.0625, 0.3230,
0.3696


524.9765, 0.3186,
0.3511

 67.2034, 0.3239,
0.3738


146.0355, 0.3216,
0.3632

 49.2499, 0.3250,
0.3789

181.9181, 0.3210,
0.3607

 34.8178, 0.3263,
0.3853


223.2440, 0.3205,
0.3586

 23.5225, 0.3279,
0.3936

270.3976, 0.3200,
0.3567

 14.9798, 0.3299,
0.4048

323.7632, 0.3196,
0.3550

 8.8052, 0.3323,
0.4205

383.7253, 0.3192,

 4.6144, 0.3352,

0.3536

0.4443

450.6683, 0.3189,
0.3523

■ 2.0228, 0.3396,
0.4860

■ 0.6207, 0.2998,
0.7002

■ 89.0625, 0.3230,
0.3696

■ 89.0625, 0.3230,
0.3696

■ 85.8991, 0.3293,
0.3981

■ 92.5807, 0.3164,
0.3430

■ 83.0667, 0.3350,
0.4281

■ 96.1393, 0.3127,
0.3233

■ 80.5562, 0.3398,
0.4585

■ 96.2272, 0.3130,
0.3233

■ 78.3536, 0.3431,
0.4881

■ 76.4437, 0.3446,
0.5154

■ 74.8097, 0.3440,
0.5388

■ 73.4321, 0.3411,
0.5569

■ 72.2880, 0.3362,
0.5692

■ 71.8500, 0.3337,
0.5732

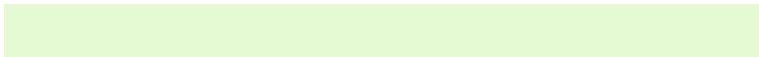
Harmonies

Analogous

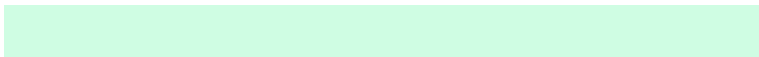
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.0625, 0.3447, 0.3701



89.0625, 0.3230, 0.3696



89.0625, 0.2991, 0.3569

Triad

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



89.0625, 0.3230, 0.3696



89.0625, 0.2691, 0.2971



89.0625, 0.3468, 0.3210

Complementary

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



89.0625, 0.3230, 0.3696



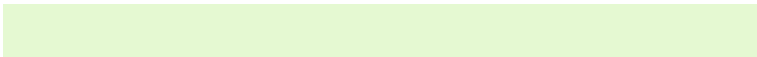
69.7616, 0.3010, 0.2885

Split Complementary

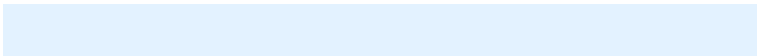
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.0625, 0.3253, 0.3033



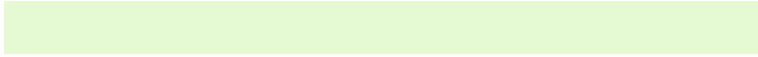
89.0625, 0.3230, 0.3696



89.0625, 0.2807, 0.2895

Square

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



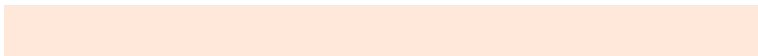
89.0625, 0.3230, 0.3696



89.0625, 0.2686, 0.3139



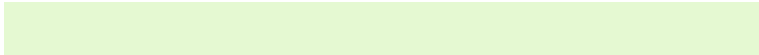
89.0625, 0.3011, 0.2919



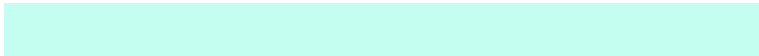
89.0625, 0.3589, 0.3412

Rectangle

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



89.0625, 0.3230, 0.3696



89.0625, 0.2852, 0.3435



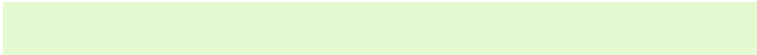
89.0625, 0.3011, 0.2919



89.0625, 0.3404, 0.3146

Sweetspot

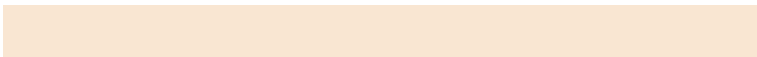
The Sweet Spot groups the original color and five complimentary colors.



89.0664, 0.3230, 0.3696



97.9888, 0.3160, 0.3414



81.1126, 0.3392, 0.3489



20.9148, 0.3165, 0.3432



0.0000, 0.0000, 0.0000



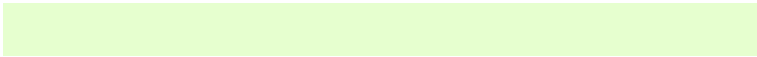
21.4041, 0.3127, 0.3290

Same Dimension

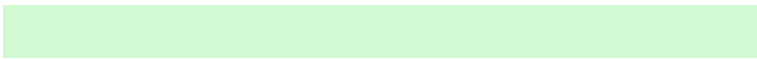
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.0664, 0.3230, 0.3696



92.8585, 0.3252, 0.3790



86.1063, 0.3107, 0.3711



19.7250, 0.3190, 0.3530



38.5465, 0.3349, 0.5723



3.6329, 0.3439, 0.5651

Inverse Universe

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



69.7616, 0.3010, 0.2885



68.6757, 0.2981, 0.2792



73.0815, 0.3145, 0.2902



17.0799, 0.3060, 0.3051



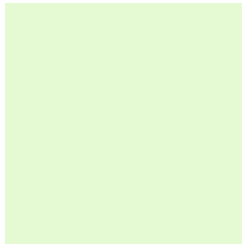
6.1808, 0.2045, 0.0900



0.6356, 0.2172, 0.0970

Previews

White Background



This preview shows how the Yxy color 89.0625, 0.3230, 0.3696 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 89.0625, 0.3230, 0.3696 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

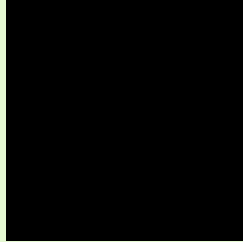
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

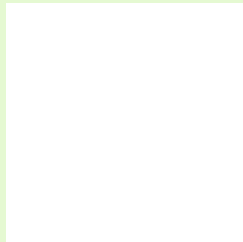
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.0625, 0.3230, 0.3696

Background



This preview shows how black text looks on a background with the Yxy color 89.0625, 0.3230, 0.3696.

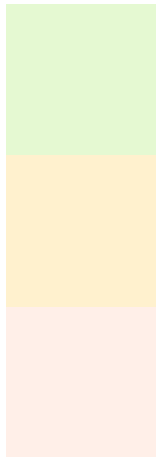


This preview shows how white text looks on a background with the Yxy color 89.0625, 0.3230, 0.3696.

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

89.0625, 0.3230, 0.3696

Protanopia

88.6268, 0.3442, 0.3639

Deuteranopia

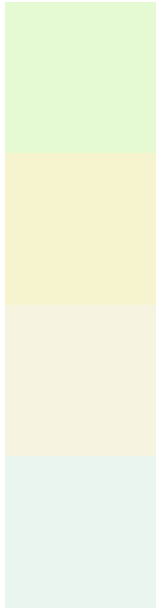
88.8192, 0.3278, 0.3359



Tritanopia

89.0750, 0.3031, 0.3161

Trichromacy



Original Color

89.0625, 0.3230, 0.3696

Protanomaly

88.7992, 0.3369, 0.3665

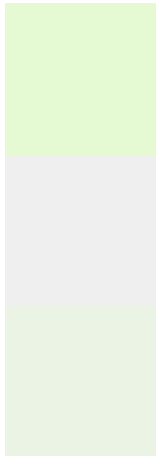
Deuteranomaly

89.0758, 0.3263, 0.3481

Tritanomaly

89.1990, 0.3099, 0.3351

Monochromacy



Original Color

89.0625, 0.3230, 0.3696

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

87.3648, 0.3166, 0.3444

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.0625, 0.3230, 0.3696 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, 249, 210)` looks like.

```
.text, #text, p{  
    color:rgb(229, 249, 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, 249, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 249, 210) }
```

Border

The CSS property to change the border of an element to Yxy 89.0625, 0.3230, 0.3696 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, 249, 210) }
```

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

```
.border{ border-color:rgb(229, 249, 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, 249, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 249, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 249, 210);  
box-shadow:4px 4px 4px 4px rgb(229, 249,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 89.0625, 0.3230, 0.3696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 249, 210) }
```

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

```
.background{ background-color: rgb(229,  
249, 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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