

Converting Colors

$Yxy(89.8117, 0.3204, 0.3451)$

Have a look what the booklet for
Yxy(89.8117, 0.3204, 0.3451)
contains.

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Color

Yxy(89.8392, 0.3204, 0.3451)

Conversions

Conversions Part 1

Format	Color
Hex	F2F5E5
RGB	242, 245, 229
RGB Percent	95%, 96%, 90%
CMY	0.0511, 0.0392, 0.1019
CMYK	0.01, 0.00, 0.07, 0.04
HSL	71°, 44%, 93%
HSV	71°, 7%, 96%
XYZ	83.4091, 89.8392, 87.0797
YIQ	242.2790, 3.3480, -5.6120

Conversions

Conversions Part 2

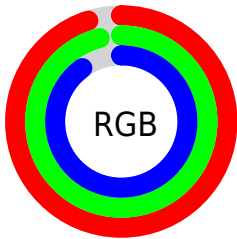
Format	Color
R _Y B	229, 245, 232
Decimal	15922661
CIE Lab	95.93, -3.76, 7.34
CIE LCh	96, 8.245, 117.124
Yxy	89.8392, 0.3204, 0.3451
Android (android.graphics.Color)	4294112741 (0xFFFF2F5E5)
YUV	242.2790, -6.5465, -0.2447
Hunter-Lab	94.7835, -8.7920, 11.8775

Details

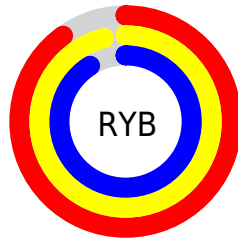
The Yxy color **89.8392, 0.3204, 0.3451** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **79.8002, 0.3047, 0.3126**, and the grayscale version is **89.0772, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.8903, 0.3218, 0.3483** is the 20% darker color. If you saturate the color by 10%, you get **87.7590, 0.3324, 0.3708**, and if you desaturate by 10%, it is **92.1412, 0.3087, 0.3207**.

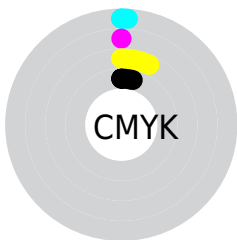
Distribution



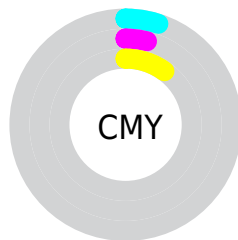
- Red (95%)
- Green (96%)
- Blue (90%)



- Red (90%)
- Yellow (96%)
- Blue (91%)



- Cyan (1%)
- Magenta (0%)
- Yellow (7%)
- Black (4%)





- Cyan (5%)
- Magenta (4%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.8392, 0.3204, 0.3451 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 89.8392, 0.3204, 0.3451 by changing the saturation by 10% instead.

 89.8392, 0.3204,
0.3451

 89.8392, 0.3204,
0.3451


527.5076, 0.3170,
0.3379

 67.8473, 0.3211,
0.3467


147.1150, 0.3192,
0.3426

 49.7735, 0.3220,
0.3487


183.1677, 0.3188,
0.3417

 35.2335, 0.3232,
0.3511


224.6761, 0.3184,
0.3408

 23.8428, 0.3246,
0.3542

272.0246, 0.3180,
0.3401

 15.2170, 0.3264,
0.3584

325.5976, 0.3177,
0.3394

 8.9718, 0.3290,
0.3642

385.7795, 0.3175,

 4.7228, 0.3327,

0.3389

0.3728

452.9547, 0.3172,
0.3383

■ 2.0856, 0.3386,
0.3871

■ 0.6565, 0.3828,
0.4721

■ 89.8392, 0.3204,
0.3451

■ 89.8392, 0.3204,
0.3451

■ 87.7590, 0.3324,
0.3708

■ 92.1412, 0.3087,
0.3207

■ 85.8807, 0.3443,
0.3974

■ 93.0889, 0.3108,
0.3194

■ 84.1995, 0.3557,
0.4240

■ 93.7914, 0.3132,
0.3195

■ 82.7058, 0.3660,
0.4497

■ 81.3894, 0.3748,
0.4734

■ 80.2388, 0.3815,
0.4941

■ 79.2412, 0.3857,
0.5107

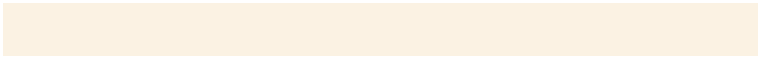
■ 78.3816, 0.3872,
0.5227

■ 77.6409, 0.3863,
0.5301

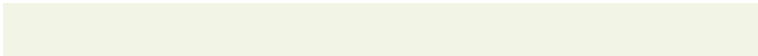
Harmonies

Analogous

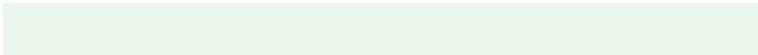
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.8392, 0.3277, 0.3439



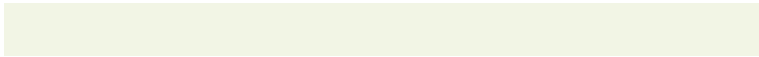
89.8392, 0.3204, 0.3451



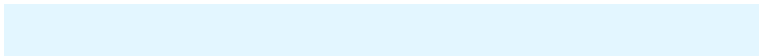
89.8392, 0.3112, 0.3419

Triad

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



89.8392, 0.3204, 0.3451



89.8392, 0.2949, 0.3190



89.8392, 0.3230, 0.3230

Complementary

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



89.8392, 0.3204, 0.3451



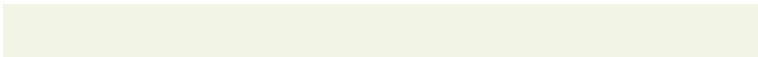
79.8002, 0.3047, 0.3126

Split Complementary

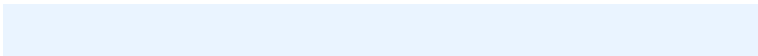
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.8392, 0.3141, 0.3166



89.8392, 0.3204, 0.3451



89.8392, 0.2979, 0.3142

Square

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



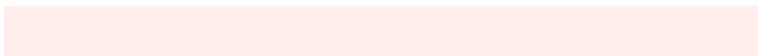
89.8392, 0.3204, 0.3451



89.8392, 0.2965, 0.3266



89.8392, 0.3049, 0.3134



89.8392, 0.3292, 0.3310

Rectangle

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



89.8392, 0.3204, 0.3451



89.8392, 0.3051, 0.3376



89.8392, 0.3049, 0.3134



89.8392, 0.3202, 0.3206

Sweetspot

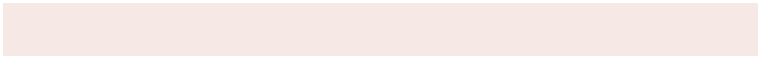
The Sweet Spot groups the original color and five complimentary colors.



89.8431, 0.3204, 0.3451



99.4932, 0.3151, 0.3339



82.7539, 0.3235, 0.3320



21.3010, 0.3149, 0.3336



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.



89.8431, 0.3204, 0.3451



98.0298, 0.3222, 0.3489



88.4747, 0.3152, 0.3453



19.1457, 0.3239, 0.3526



41.7511, 0.3862, 0.5315



3.7094, 0.3906, 0.5281

Inverse Universe

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



79.8002, 0.3047, 0.3126



84.6652, 0.3028, 0.3087



81.1532, 0.3100, 0.3129



16.0777, 0.3009, 0.3047



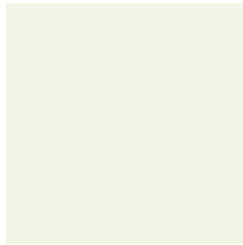
3.9132, 0.1589, 0.0649



0.3840, 0.1697, 0.0709

Previews

White Background



This preview shows how the Yxy color 89.8392, 0.3204, 0.3451 looks on a white background.

Color Contrast Check

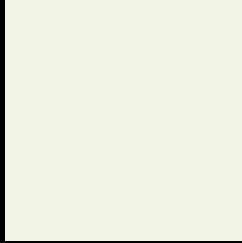
Large Text (above 18pt) WCAG AA × Fail

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 89.8392, 0.3204, 0.3451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

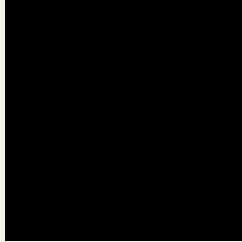
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

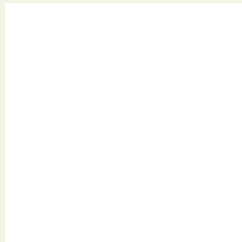
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.8392, 0.3204, 0.3451

Background



This preview shows how black text looks on a background with the Yxy color 89.8392, 0.3204, 0.3451.

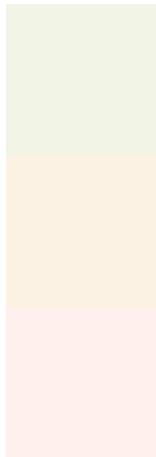


This preview shows how white text looks on a background with the Yxy color 89.8392, 0.3204, 0.3451.

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

89.8392, 0.3204, 0.3451

Protanopia

89.5595, 0.3279, 0.3439

Deuteranopia

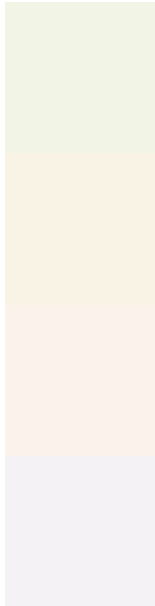
89.7532, 0.3239, 0.3310



Tritanopia

89.7234, 0.3075, 0.3153

Trichromacy



Original Color

89.8392, 0.3204, 0.3451

Protanomaly

89.6591, 0.3252, 0.3440

Deuteranomaly

89.8264, 0.3223, 0.3359

Tritanomaly

89.5706, 0.3123, 0.3251

Monochromacy



Original Color

89.8392, 0.3204, 0.3451

Achromatopsia

88.7923, 0.3127, 0.3290

Achromatomaly

89.0929, 0.3157, 0.3350

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.8392, 0.3204, 0.3451 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(242, 245, 229)` looks like.

```
.text, #text, p{  
    color:rgb(242, 245, 229)  
}
```

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(242, 245, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 245, 229) }
```

Border

The CSS property to change the border of an element to Yxy 89.8392, 0.3204, 0.3451 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(242, 245, 229) }
```

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

```
.border{ border-color:rgb(242, 245, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 245, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(242, 245, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(242, 245, 229); box-shadow:4px 4px 4px 4px rgb(242, 245, 229) }
```


Background

The CSS property to change the background color of an element to Yxy 89.8392, 0.3204, 0.3451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 245, 229) }
```

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

```
.background{ background-color: rgb(242,  
245, 229) }
```

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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