

Converting Colors

$Yxy(89.7855, 0.3172, 0.3594)$

Have a look what the booklet for
Yxy(89.7855, 0.3172, 0.3594)
contains.

Yxy(89.5767, 0.3170, 0.3590)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(89.5767, 0.3170, 0.3590)

Conversions

Conversions Part 1

Format	Color
Hex	E5F9DC
RGB	229, 249, 220
RGB Percent	90%, 98%, 86%
CMY	0.1022, 0.0235, 0.1372
CMYK	0.08, 0.00, 0.12, 0.02
HSL	102°, 71%, 92%
HSV	102°, 12%, 98%
XYZ	79.0970, 89.5767, 80.8436
YIQ	239.7140, -2.6110, -13.2590

Conversions

Conversions Part 2

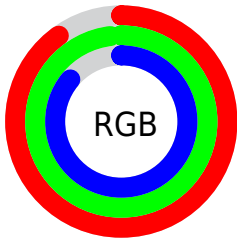
Format	Color
R _Y B	220, 249, 240
Decimal	15071708
CIE Lab	95.82, -11.68, 11.69
CIE LCh	96, 16.529, 134.981
Yxy	89.5767, 0.3170, 0.3590
Android (android.graphics.Color)	4293261788 (0xFFE5F9DC)
YUV	239.7140, -9.7190, -9.3962
Hunter-Lab	94.6450, -16.4521, 15.6073

Details

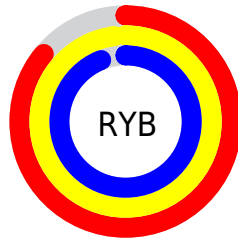
The Yxy color **89.5767, 0.3170, 0.3590** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **76.5777, 0.3079, 0.2997**, and the grayscale version is **86.9786, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.7408, 0.3174, 0.3664** is the 20% darker color. If you saturate the color by 10%, you get **85.6630, 0.3205, 0.3877**, and if you desaturate by 10%, it is **93.9760, 0.3133, 0.3330**.

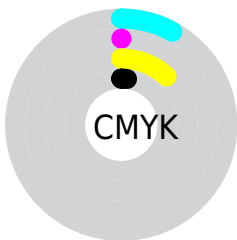
Distribution



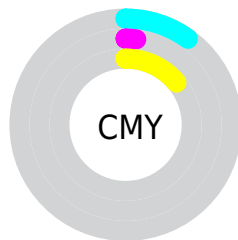
- Red (90%)
- Green (98%)
- Blue (86%)



- Red (86%)
- Yellow (98%)
- Blue (94%)



- Cyan (8%)
- Magenta (0%)
- Yellow (12%)
- Black (2%)





- Cyan (10%)
- Magenta (2%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.5767, 0.3170, 0.3590 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 89.5767, 0.3170, 0.3590 by changing the saturation by 10% instead.


 89.5767, 0.3170,
0.3590

 89.5767, 0.3170,
0.3590


526.6529, 0.3152,
0.3454

 67.6296, 0.3174,
0.3621


146.7503, 0.3164,
0.3543

 49.5965, 0.3178,
0.3658


182.7455, 0.3162,
0.3525

 35.0929, 0.3183,
0.3705


224.1923, 0.3160,
0.3509

 23.7344, 0.3189,
0.3766

271.4751, 0.3158,
0.3495

 15.1367, 0.3196,
0.3847

324.9781, 0.3156,
0.3483

 8.9154, 0.3205,
0.3962

385.0858, 0.3155,

 4.6860, 0.3215,

0.3472

0.4136

452.1826, 0.3153,
0.3462

■ 2.0643, 0.3222,
0.4428

■ 0.6444, 0.3368,
0.6632

■ 89.5767, 0.3170,
0.3590

■ 89.5767, 0.3170,
0.3590

■ 85.6630, 0.3205,
0.3877

■ 93.9760, 0.3133,
0.3330

■ 82.2066, 0.3235,
0.4186

■ 96.2423, 0.3130,
0.3233

■ 79.1933, 0.3258,
0.4510

■ 76.6043, 0.3271,
0.4837

■ 74.4187, 0.3271,
0.5150

■ 72.6143, 0.3255,
0.5428

■ 71.1658, 0.3224,
0.5652

■ 70.0446, 0.3179,
0.5809

■ 69.3274, 0.3137,
0.5891

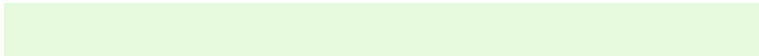
Harmonies

Analogous

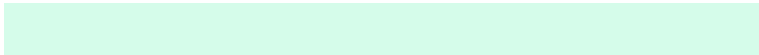
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.5767, 0.3346, 0.3616



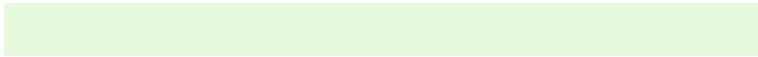
89.5767, 0.3170, 0.3590



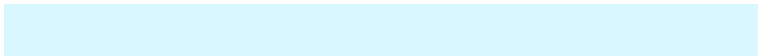
89.5767, 0.2986, 0.3476

Triad

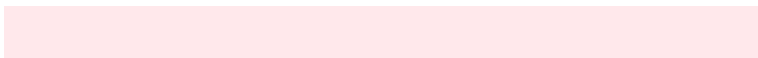
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.5767, 0.3170, 0.3590



89.5767, 0.2798, 0.3023



89.5767, 0.3418, 0.3261

Complementary

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



89.5767, 0.3170, 0.3590



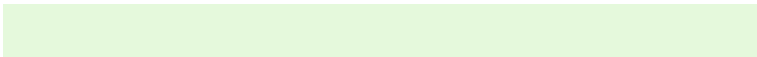
76.5777, 0.3079, 0.2997

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.



89.5767, 0.3264, 0.3114



89.5767, 0.3170, 0.3590



89.5767, 0.2906, 0.2978

Square

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



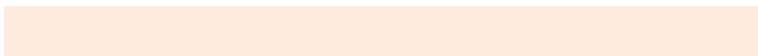
89.5767, 0.3170, 0.3590



89.5767, 0.2775, 0.3143



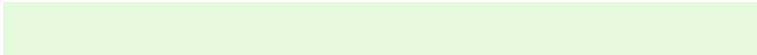
89.5767, 0.3076, 0.3012



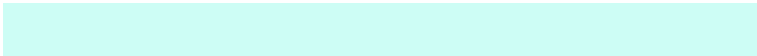
89.5767, 0.3493, 0.3420

Rectangle

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



89.5767, 0.3170, 0.3590



89.5767, 0.2884, 0.3367



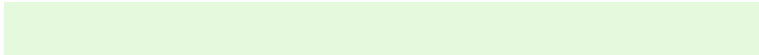
89.5767, 0.3076, 0.3012



89.5767, 0.3374, 0.3209

Sweetspot

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



89.5806, 0.3170, 0.3590



98.5268, 0.3138, 0.3364



87.5344, 0.3313, 0.3489



21.0062, 0.3141, 0.3384



0.0000, 0.0000, 0.0000



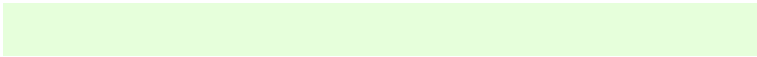
21.4041, 0.3127, 0.3290

Same Dimension

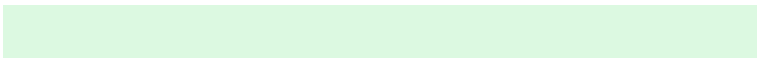
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.5806, 0.3170, 0.3590



93.5222, 0.3178, 0.3656



88.4356, 0.3082, 0.3538



19.5684, 0.3162, 0.3532



37.1694, 0.3147, 0.5883



3.4958, 0.3235, 0.5814

Inverse Universe

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



76.5777, 0.3079, 0.2997



77.2736, 0.3067, 0.2935



77.8532, 0.3176, 0.3054



17.2407, 0.3088, 0.3053



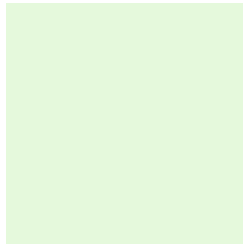
8.4531, 0.2442, 0.1119



0.8388, 0.2536, 0.1171

Previews

White Background



This preview shows how the Yxy color 89.5767, 0.3170, 0.3590 looks on a white background.

Color Contrast Check

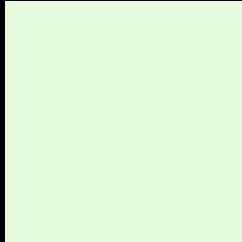
Large Text (above 18pt) WCAG AA × Fail

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 89.5767, 0.3170, 0.3590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

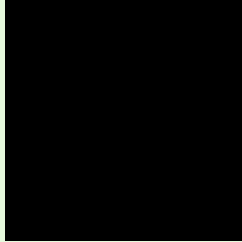
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

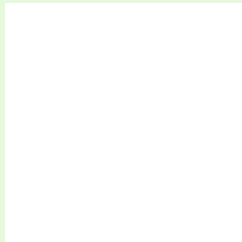
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.5767, 0.3170, 0.3590

Background



This preview shows how black text looks on a background with the Yxy color 89.5767, 0.3170, 0.3590.

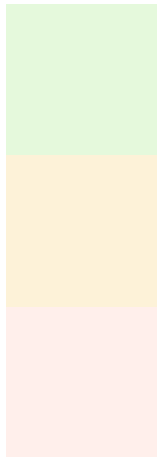


This preview shows how white text looks on a background with the Yxy color 89.5767, 0.3170, 0.3590.

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

89.5767, 0.3170, 0.3590

Protanopia

89.3448, 0.3363, 0.3549

Deuteranopia

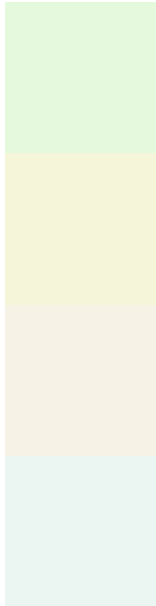
88.9912, 0.3259, 0.3330



Tritanopia

89.4983, 0.3024, 0.3171

Trichromacy



Original Color

89.5767, 0.3170, 0.3590

Protanomaly

89.5477, 0.3291, 0.3573

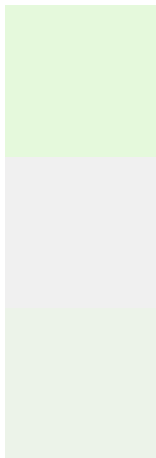
Deuteranomaly

89.4072, 0.3226, 0.3420

Tritanomaly

89.3778, 0.3081, 0.3320

Monochromacy



Original Color

89.5767, 0.3170, 0.3590

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

87.8172, 0.3142, 0.3392

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.5767, 0.3170, 0.3590 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, 220)` looks like.

```
.text, #text, p{  
    color:rgb(229, 249, 220)  
}
```

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, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 249, 220) }
```

Border

The CSS property to change the border of an element to Yxy 89.5767, 0.3170, 0.3590 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, 220) }
```

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

```
.border{ border-color:rgb(229, 249, 220) }
```

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, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 249, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 249, 220);  
box-shadow:4px 4px 4px 4px rgb(229, 249,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 89.5767, 0.3170, 0.3590 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, 220) }
```

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

```
.background{ background-color: rgb(229,  
249, 220) }
```

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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