

Converting Colors

Yxy(84.9471, 0.3106, 0.3402)

Have a look what the booklet for
Yxy(84.9471, 0.3106, 0.3402)
contains.

Yxy(85.1177, 0.3109, 0.3404)	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(85.1177, 0.3109, 0.3404)

Conversions

Conversions Part 1

Format	Color
Hex	E4F1E6
RGB	228, 241, 230
RGB Percent	89%, 95%, 90%
CMY	0.1057, 0.0549, 0.0980
CMYK	0.05, 0.00, 0.05, 0.05
HSL	129°, 32%, 92%
HSV	129°, 5%, 95%
XYZ	77.7412, 85.1177, 87.1931
YIQ	235.8590, -4.2170, -6.1770

Conversions

Conversions Part 2

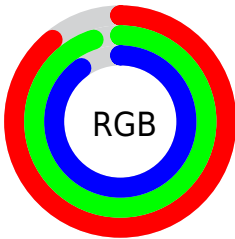
Format	Color
R _Y B	228, 239, 241
Decimal	15004134
CIE Lab	93.93, -6.25, 3.82
CIE LCh	94, 7.325, 148.606
Yxy	85.1177, 0.3109, 0.3404
Android (android.graphics.Color)	4293194214 (0xFFE4F1E6)
YUV	235.8590, -2.8885, -6.8923
Hunter-Lab	92.2593, -11.0428, 8.5472

Details

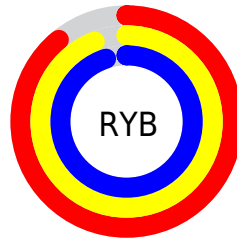
The Yxy color **85.1177, 0.3109, 0.3404** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.4411, 0.3146, 0.3179**, and the grayscale version is **83.7983, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.6773, 0.3104, 0.3424** is the 20% darker color. If you saturate the color by 10%, you get **80.3674, 0.3075, 0.3638**, and if you desaturate by 10%, it is **90.5595, 0.3142, 0.3198**.

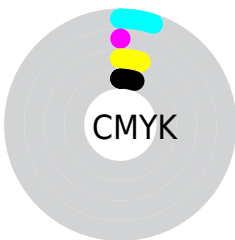
Distribution



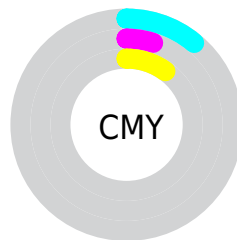
- Red (89%)
- Green (95%)
- Blue (90%)



- Red (89%)
- Yellow (94%)
- Blue (95%)



- Cyan (5%)
- Magenta (0%)
- Yellow (5%)
- Black (5%)





- Cyan (11%)
- Magenta (5%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.1177, 0.3109, 0.3404 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 85.1177, 0.3109, 0.3404 by changing the saturation by 10% instead.


 85.1177, 0.3109,
0.3404

 85.1177, 0.3109,
0.3404

512.0175, 0.3117,
0.3352

 63.9386, 0.3107,
0.3416


140.5376, 0.3112,
0.3386

 46.6010, 0.3105,
0.3430


175.5472, 0.3113,
0.3379

 32.7203, 0.3102,
0.3448

215.9359, 0.3114,
0.3373

 21.9123, 0.3098,
0.3471

262.0878, 0.3115,
0.3368

 13.7925, 0.3092,
0.3502

314.3876, 0.3116,
0.3363

 7.9765, 0.3085,
0.3546

373.2195, 0.3116,

 4.0799, 0.3073,

0.3359

0.3612

438.9680, 0.3117,
0.3356

■ 1.7184, 0.3051,
0.3726

■ 0.4355, 0.2890,
0.4816

■ 85.1177, 0.3109,
0.3404

■ 85.1177, 0.3109,
0.3404

■ 80.3674, 0.3075,
0.3638

■ 90.5595, 0.3142,
0.3198

■ 76.2705, 0.3040,
0.3901

■ 91.3882, 0.3133,
0.3156

■ 72.8014, 0.3008,
0.4191

■ 69.9291, 0.2978,
0.4501

■ 67.6194, 0.2956,
0.4820

■ 65.8351, 0.2941,
0.5132

■ 64.5341, 0.2937,
0.5417

■ 63.6678, 0.2945,
0.5656

■ 63.1772, 0.2961,
0.5831

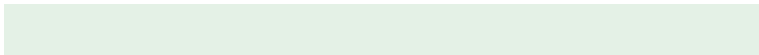
Harmonies

Analogous

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



85.1177, 0.3193, 0.3435



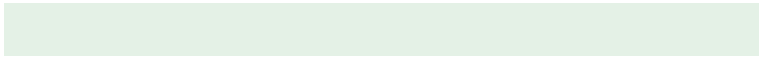
85.1177, 0.3109, 0.3404



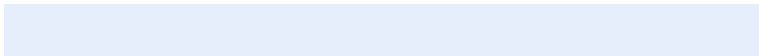
85.1177, 0.3031, 0.3341

Triad

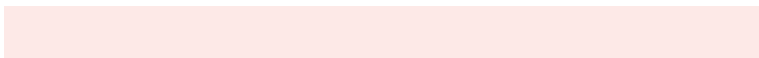
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.1177, 0.3109, 0.3404



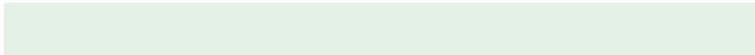
85.1177, 0.2996, 0.3155



85.1177, 0.3278, 0.3312

Complementary

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



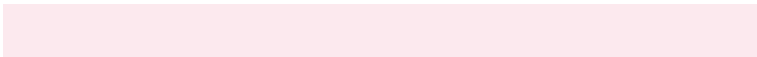
85.1177, 0.3109, 0.3404



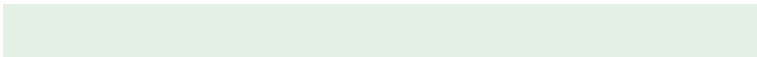
80.4411, 0.3146, 0.3179

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.



85.1177, 0.3224, 0.3239



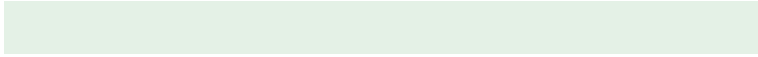
85.1177, 0.3109, 0.3404



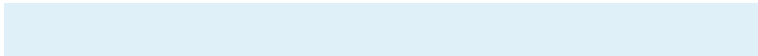
85.1177, 0.3060, 0.3149

Square

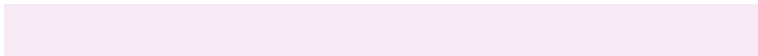
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



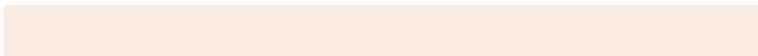
85.1177, 0.3109, 0.3404



85.1177, 0.2966, 0.3197



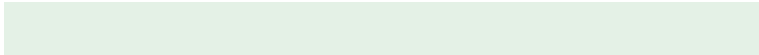
85.1177, 0.3144, 0.3180



85.1177, 0.3291, 0.3380

Rectangle

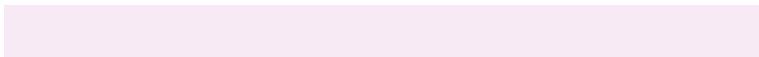
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



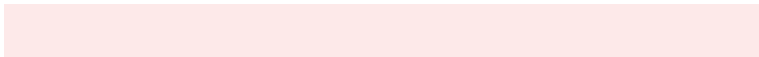
85.1177, 0.3109, 0.3404



85.1177, 0.2992, 0.3291



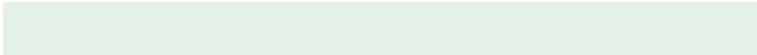
85.1177, 0.3144, 0.3180



85.1177, 0.3264, 0.3287

Sweetspot

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



85.1213, 0.3109, 0.3404



98.7699, 0.3120, 0.3332



86.8715, 0.3194, 0.3422



21.1537, 0.3121, 0.3330



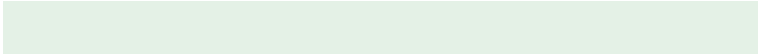
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

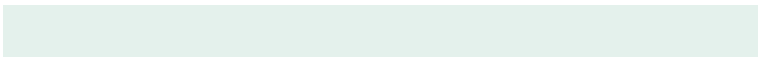
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.1213, 0.3109, 0.3404



96.4046, 0.3107, 0.3418



85.4911, 0.3070, 0.3337



17.9926, 0.3105, 0.3432



34.1979, 0.2964, 0.5872



2.8567, 0.2908, 0.5668

Inverse Universe

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



80.4411, 0.3146, 0.3179



90.4753, 0.3148, 0.3165



80.0659, 0.3188, 0.3244



16.7738, 0.3150, 0.3152



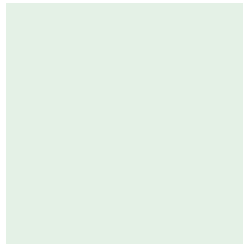
12.5344, 0.3633, 0.1775



1.0538, 0.3568, 0.1739

Previews

White Background



This preview shows how the Yxy color 85.1177, 0.3109, 0.3404 looks on a white background.

Color Contrast Check

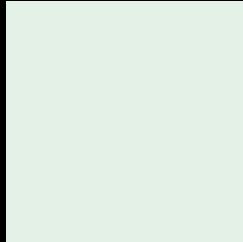
Large Text (above 18pt) WCAG AA × Fail

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 85.1177, 0.3109, 0.3404 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

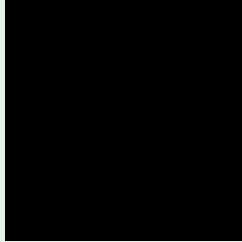
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

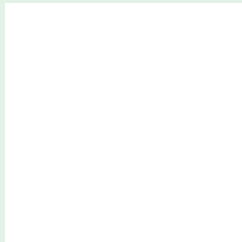
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.1177, 0.3109, 0.3404

Background



This preview shows how black text looks on a background with the Yxy color 85.1177, 0.3109, 0.3404.

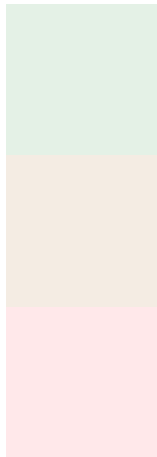


This preview shows how white text looks on a background with the Yxy color 85.1177, 0.3109, 0.3404.

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

85.1177, 0.3109, 0.3404

Protanopia

84.7701, 0.3238, 0.3381

Deuteranopia

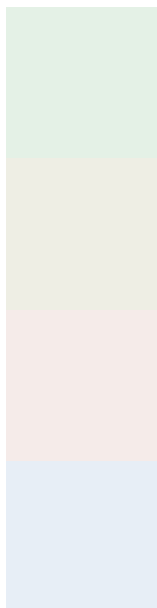
84.9137, 0.3272, 0.3271



Tritanopia

84.9442, 0.2987, 0.3109

Trichromacy



Original Color

85.1177, 0.3109, 0.3404

Protanomaly

84.9277, 0.3189, 0.3392

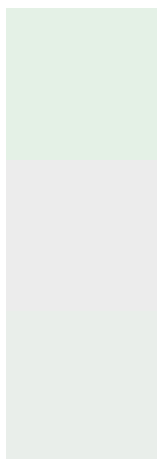
Deuteranomaly

84.7123, 0.3207, 0.3310

Tritanomaly

84.7918, 0.3033, 0.3208

Monochromacy



Original Color

85.1177, 0.3109, 0.3404

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.4132, 0.3119, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.1177, 0.3109, 0.3404 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, 241, 230)` looks like.

```
.text, #text, p{  
    color:rgb(228, 241, 230)  
}
```

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, 241, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 241, 230) }
```

Border

The CSS property to change the border of an element to Yxy 85.1177, 0.3109, 0.3404 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, 241, 230) }
```

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

```
.border{ border-color:rgb(228, 241, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 241, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 241, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 241, 230);  
box-shadow:4px 4px 4px 4px rgb(228, 241,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 85.1177, 0.3109, 0.3404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 241, 230) }
```

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

```
.background{ background-color: rgb(228,  
241, 230) }
```

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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