

Converting Colors

$Yxy(85.7678, 0.3102, 0.3404)$

Have a look what the booklet for
Yxy(85.7678, 0.3102, 0.3404)
contains.

Yxy(85.7678, 0.3102, 0.3404)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(85.7678, 0.3102, 0.3404)

Conversions

Conversions Part 1

Format	Color
Hex	E4F2E7
RGB	228, 242, 231
RGB Percent	89%, 95%, 91%
CMY	0.1061, 0.0509, 0.0941
CMYK	0.06, 0.00, 0.05, 0.05
HSL	133°, 35%, 92%
HSV	133°, 6%, 95%
XYZ	78.1586, 85.7678, 88.0355
YIQ	236.5600, -4.8130, -6.3890

Conversions

Conversions Part 2

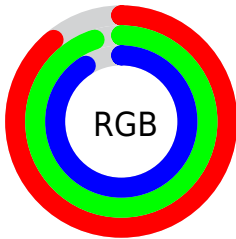
Format	Color
R_{YB}	228, 240, 242
Decimal	15004391
CIE _{Lab}	94.21, -6.62, 3.70
CIE _{LCh}	94, 7.585, 150.795
Yxy	85.7678, 0.3102, 0.3404
Android (android.graphics.Color)	4293194471 (0xFFE4F2E7)
YUV	236.5600, -2.7411, -7.5071
Hunter-Lab	92.6109, -11.4248, 8.4669

Details

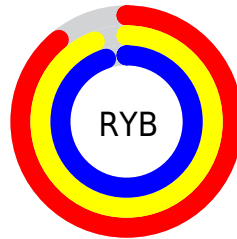
The Yxy color **85.7678, 0.3102, 0.3404** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.5704, 0.3153, 0.3179**, and the grayscale version is **84.3531, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.0972, 0.3104, 0.3437** is the 20% darker color. If you saturate the color by 10%, you get **81.0736, 0.3058, 0.3621**, and if you desaturate by 10%, it is **91.1393, 0.3145, 0.3213**.

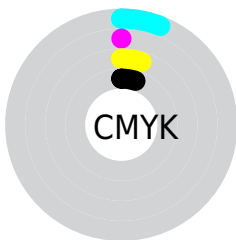
Distribution



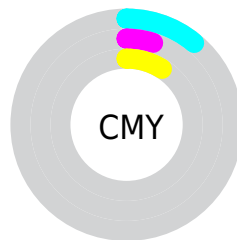
- Red (89%)
- Green (95%)
- Blue (91%)



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



- Cyan (6%)
- Magenta (0%)
- Yellow (5%)
- Black (5%)





- Cyan (11%)
- Magenta (5%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.7678, 0.3102, 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 85.7678, 0.3102, 0.3404 by changing the saturation by 10% instead.

 85.7678, 0.3102,
0.3404

 85.7678, 0.3102,
0.3404


514.1653, 0.3114,
0.3352

 64.4760, 0.3099,
0.3416

141.4454, 0.3106,
0.3386

 47.0363, 0.3096,
0.3430


176.6000, 0.3108,
0.3379

 33.0643, 0.3092,
0.3448


217.1443, 0.3109,
0.3373

 22.1757, 0.3087,
0.3470

263.4627, 0.3110,
0.3368

 13.9861, 0.3080,
0.3501

315.9396, 0.3111,
0.3363

 8.1110, 0.3069,
0.3545

374.9594, 0.3112,

 4.1661, 0.3054,

0.3359

0.3611

440.9065, 0.3113,
0.3356

■ 1.7669, 0.3026,
0.3724

■ 0.4664, 0.2825,
0.4677

■ 85.7678, 0.3102,
0.3404

■ 85.7678, 0.3102,
0.3404

■ 81.0736, 0.3058,
0.3621

■ 91.1393, 0.3145,
0.3213

■ 77.0192, 0.3016,
0.3864

■ 91.9961, 0.3133,
0.3166

■ 73.5800, 0.2976,
0.4131

■ 70.7253, 0.2941,
0.4419

■ 68.4221, 0.2914,
0.4717

■ 66.6338, 0.2899,
0.5014

■ 65.3195, 0.2897,
0.5292

■ 64.4316, 0.2908,
0.5535

■ 63.9120, 0.2932,
0.5729

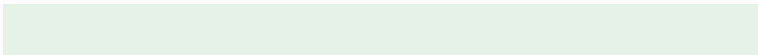
Harmonies

Analogous

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



85.7678, 0.3189, 0.3439



85.7678, 0.3102, 0.3404



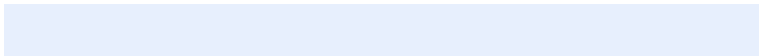
85.7678, 0.3023, 0.3337

Triad

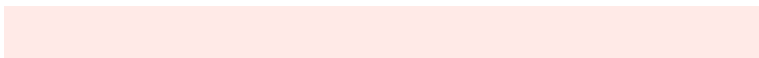
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.7678, 0.3102, 0.3404



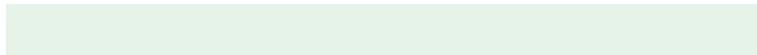
85.7678, 0.2995, 0.3149



85.7678, 0.3286, 0.3318

Complementary

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



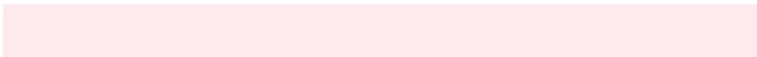
85.7678, 0.3102, 0.3404



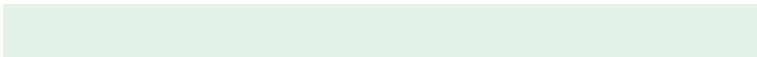
80.5704, 0.3153, 0.3179

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.



85.7678, 0.3232, 0.3243



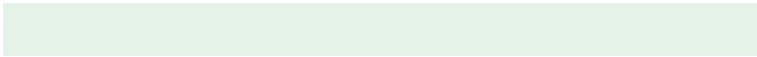
85.7678, 0.3102, 0.3404



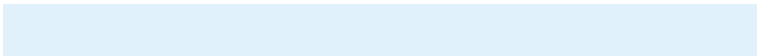
85.7678, 0.3064, 0.3146

Square

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



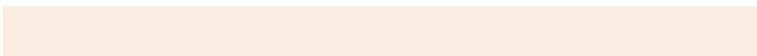
85.7678, 0.3102, 0.3404



85.7678, 0.2961, 0.3190



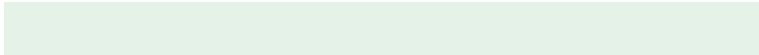
85.7678, 0.3151, 0.3180



85.7678, 0.3296, 0.3388

Rectangle

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



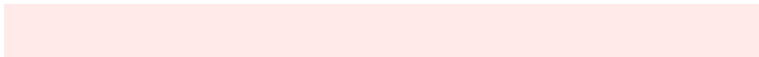
85.7678, 0.3102, 0.3404



85.7678, 0.2984, 0.3285



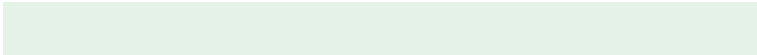
85.7678, 0.3151, 0.3180



85.7678, 0.3272, 0.3293

Sweetspot

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



85.7715, 0.3102, 0.3404



98.7909, 0.3119, 0.3328



87.4605, 0.3193, 0.3433



21.1580, 0.3119, 0.3326



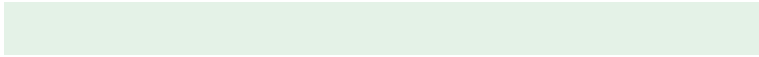
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

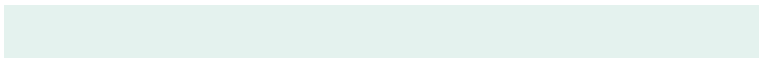
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.7715, 0.3102, 0.3404



95.9024, 0.3097, 0.3429



86.1770, 0.3060, 0.3331



17.9062, 0.3094, 0.3440



34.2669, 0.2936, 0.5770



2.8650, 0.2870, 0.5532

Inverse Universe

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



80.5704, 0.3153, 0.3179



88.8886, 0.3159, 0.3155



80.1627, 0.3199, 0.3250



16.4934, 0.3162, 0.3144



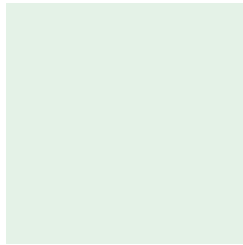
12.1486, 0.3847, 0.1893



1.0250, 0.3746, 0.1837

Previews

White Background



This preview shows how the Yxy color 85.7678, 0.3102, 0.3404 looks on a white background.

Color Contrast Check

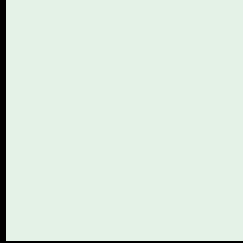
Large Text (above 18pt) WCAG AA × Fail

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 85.7678, 0.3102, 0.3404 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

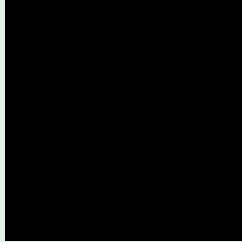
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

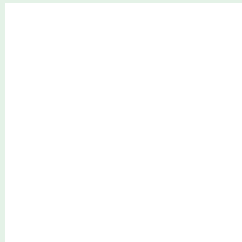
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.7678, 0.3102, 0.3404

Background



This preview shows how black text looks on a background with the Yxy color 85.7678, 0.3102, 0.3404.

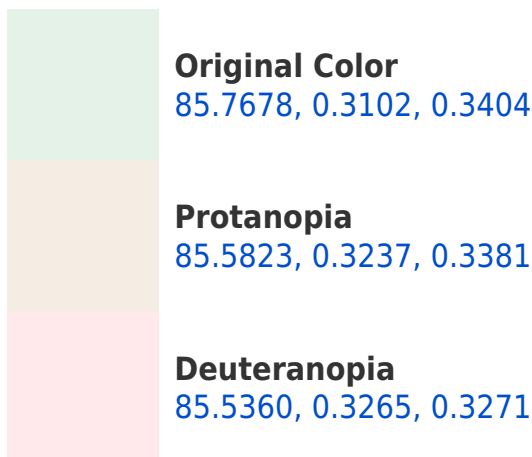


This preview shows how white text looks on a background with the Yxy color 85.7678, 0.3102, 0.3404.

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

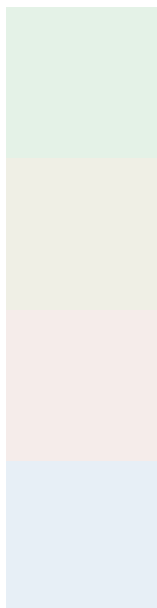




Tritanopia

85.6927, 0.2993, 0.3119

Trichromacy



Original Color

85.7678, 0.3102, 0.3404

Protanomaly

85.7409, 0.3189, 0.3392

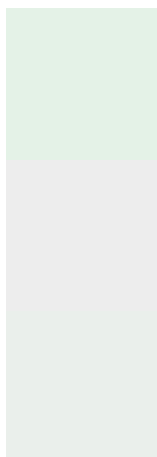
Deuteranomaly

85.3439, 0.3200, 0.3310

Tritanomaly

85.3757, 0.3033, 0.3219

Monochromacy



Original Color

85.7678, 0.3102, 0.3404

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

85.2236, 0.3119, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.7678, 0.3102, 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, 242, 231)` looks like.

```
.text, #text, p{  
    color:rgb(228, 242, 231)  
}
```

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, 242, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 242, 231) }
```

Border

The CSS property to change the border of an element to Yxy 85.7678, 0.3102, 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, 242, 231) }
```

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

```
.border{ border-color:rgb(228, 242, 231) }
```

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

Here you see how a box with a 4 pixel rgb(228, 242, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 242, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 242, 231);  
box-shadow:4px 4px 4px 4px rgb(228, 242,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 85.7678, 0.3102, 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, 242, 231) }
```

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

```
.background{ background-color: rgb(228,  
242, 231) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor