

Converting Colors

$Yxy(83.1545, 0.3057, 0.3280)$

Have a look what the booklet for
Yxy(83.1545, 0.3057, 0.3280)
contains.

Yxy(83.0723, 0.3055, 0.3279)	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(83.0723, 0.3055, 0.3279)

Conversions

Conversions Part 1

Format	Color
Hex	E3EDEE
RGB	227, 237, 238
RGB Percent	89%, 93%, 93%
CMY	0.1098, 0.0706, 0.0665
CMYK	0.05, 0.00, 0.00, 0.07
HSL	186°, 25%, 91%
HSV	186°, 5%, 93%
XYZ	77.3973, 83.0723, 92.8768
YIQ	234.1240, -6.2810, -1.8090

Conversions

Conversions Part 2

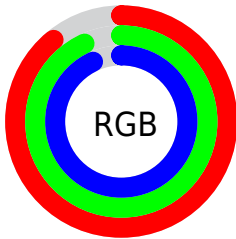
Format	Color
R_{YB}	227, 232, 238
Decimal	14937582
CIE Lab	93.05, -3.12, -1.67
CIE LCh	93, 3.534, 208.118
Yxy	83.0723, 0.3055, 0.3279
Android (android.graphics.Color)	4293127662 (0xFFE3EDEE)
YUV	234.1240, 1.9109, -6.2477
Hunter-Lab	91.1440, -7.9240, 3.3836

Details

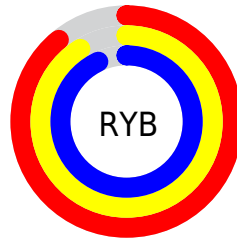
The Yxy color **83.0723, 0.3055, 0.3279** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **79.2326, 0.3203, 0.3301**, and the grayscale version is **82.3696, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.1958, 0.3043, 0.3276** is the 20% darker color. If you saturate the color by 10%, you get **78.1813, 0.2903, 0.3254**, and if you desaturate by 10%, it is **88.5216, 0.3211, 0.3302**.

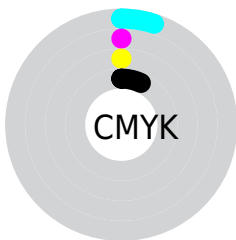
Distribution



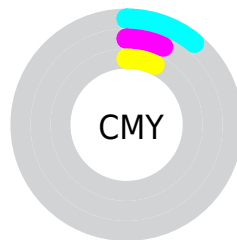
- Red (89%)
- Green (93%)
- Blue (93%)



- Red (89%)
- Yellow (91%)
- Blue (93%)



- Cyan (5%)
- Magenta (0%)
- Yellow (0%)
- Black (7%)



- Cyan (11%)
- Magenta (7%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.0723, 0.3055, 0.3279 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 83.0723, 0.3055, 0.3279 by changing the saturation by 10% instead.

■ 83.0723, 0.3055,
0.3279

■ 83.0723, 0.3055,
0.3279

505.2274, 0.3088,
0.3284

■ 62.2498, 0.3048,
0.3278

137.6767, 0.3066,
0.3281

■ 45.2346, 0.3039,
0.3276

172.2274, 0.3071,
0.3281

■ 31.6422, 0.3028,
0.3275

212.1230, 0.3074,
0.3282

■ 21.0884, 0.3013,
0.3272

257.7478, 0.3078,
0.3283

■ 13.1886, 0.2994,
0.3269

309.4863, 0.3081,
0.3283

■ 7.5586, 0.2967,
0.3264

367.7228, 0.3083,

■ 3.8138, 0.2927,

0.3283

0.3257

432.8417, 0.3086,
0.3284

■ 1.5700, 0.2859,
0.3244

■ 0.3372, 0.2295,
0.3166

■ 83.0723, 0.3055,
0.3279

■ 83.0723, 0.3055,
0.3279

■ 78.1813, 0.2903,
0.3254

■ 88.5216, 0.3211,
0.3302

■ 73.8162, 0.2759,
0.3226

■ 90.6310, 0.3237,
0.3324

■ 69.9571, 0.2625,
0.3197

■ 91.9676, 0.3236,
0.3346

■ 66.5789, 0.2505,
0.3167

■ 93.3205, 0.3234,
0.3367

63.6541, 0.2402,
0.3135

94.6898, 0.3232,
0.3389

61.1525, 0.2316,
0.3102

96.0755, 0.3230,
0.3410

59.0400, 0.2250,
0.3069

97.4778, 0.3228,
0.3431

57.2770, 0.2203,
0.3037

98.8966, 0.3226,
0.3453

55.8150, 0.2174,
0.3005

98.9556, 0.3226,
0.3453

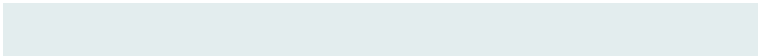
Harmonies

Analogous

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



83.0723, 0.3081, 0.3316



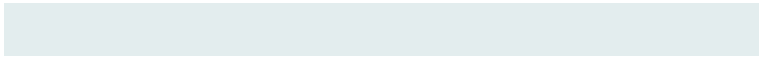
83.0723, 0.3055, 0.3279



83.0723, 0.3048, 0.3246

Triad

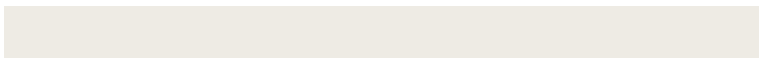
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.0723, 0.3055, 0.3279



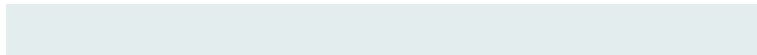
83.0723, 0.3135, 0.3236



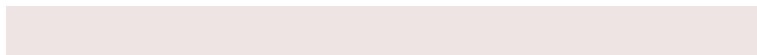
83.0723, 0.3192, 0.3356

Complementary

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



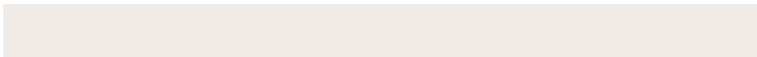
83.0723, 0.3055, 0.3279



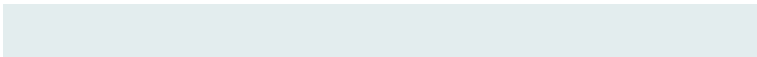
79.2326, 0.3203, 0.3301

Split Complementary

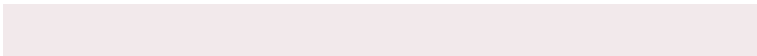
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.0723, 0.3207, 0.3334



83.0723, 0.3055, 0.3279



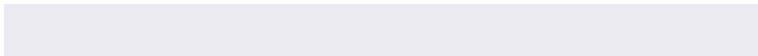
83.0723, 0.3174, 0.3265

Square

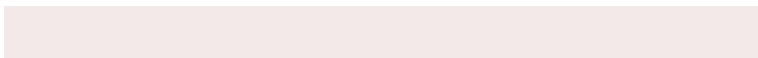
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.0723, 0.3055, 0.3279



83.0723, 0.3094, 0.3221



83.0723, 0.3200, 0.3301



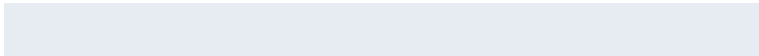
83.0723, 0.3160, 0.3360

Rectangle

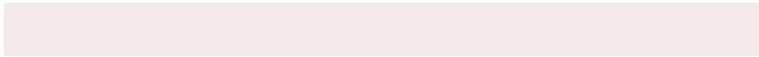
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



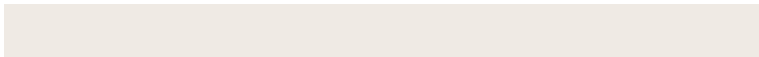
83.0723, 0.3055, 0.3279



83.0723, 0.3056, 0.3230



83.0723, 0.3200, 0.3301



83.0723, 0.3199, 0.3350

Sweetspot

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



83.0758, 0.3055, 0.3279



99.3667, 0.3111, 0.3288



83.1002, 0.3116, 0.3396



21.2752, 0.3112, 0.3288



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

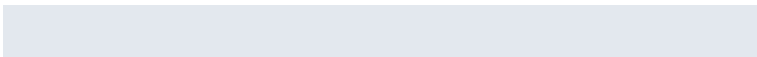
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.0758, 0.3055, 0.3279



96.2985, 0.3034, 0.3276



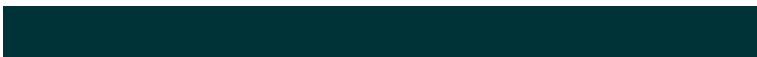
79.9903, 0.3056, 0.3223



17.9701, 0.3024, 0.3274



30.8401, 0.2165, 0.2993



2.6390, 0.2176, 0.3035

Inverse Universe

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



79.2316, 0.3139, 0.3188



90.5314, 0.3143, 0.3157



82.2562, 0.3199, 0.3356



16.7854, 0.3144, 0.3143



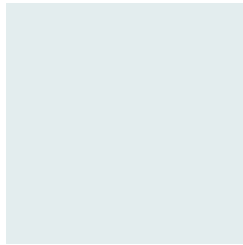
12.9067, 0.3461, 0.1680



1.0811, 0.3424, 0.1660

Previews

White Background



This preview shows how the Yxy color 83.0723, 0.3055, 0.3279 looks on a white background.

Color Contrast Check

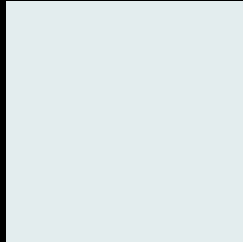
Large Text (above 18pt) WCAG AA × Fail

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 83.0723, 0.3055, 0.3279 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

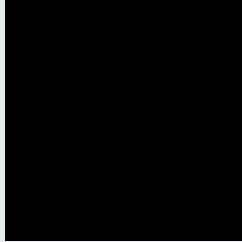
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

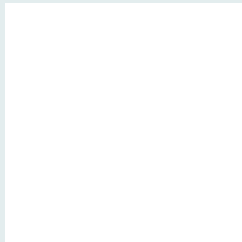
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.0723, 0.3055, 0.3279

Background



This preview shows how black text looks on a background with the Yxy color 83.0723, 0.3055, 0.3279.

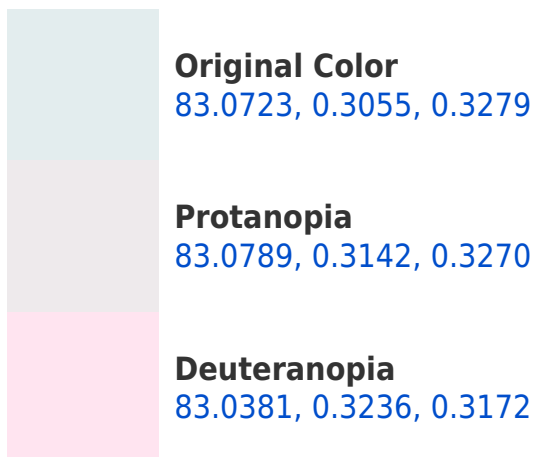


This preview shows how white text looks on a background with the Yxy color 83.0723, 0.3055, 0.3279.

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

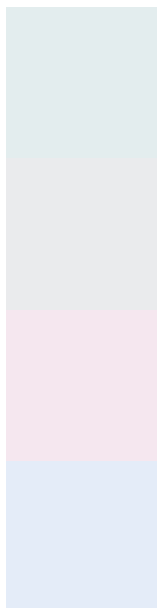




Tritanopia

83.1665, 0.2979, 0.3107

Trichromacy



Original Color

83.0723, 0.3055, 0.3279

Protanomaly

83.0235, 0.3108, 0.3269

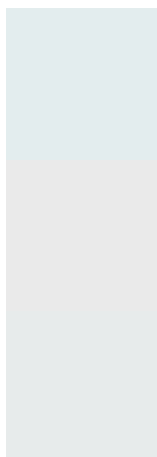
Deuteranomaly

82.7963, 0.3172, 0.3210

Tritanomaly

83.2622, 0.3002, 0.3167

Monochromacy



Original Color

83.0723, 0.3055, 0.3279

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.4037, 0.3100, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.0723, 0.3055, 0.3279 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(227, 237, 238)` looks like.

```
.text, #text, p{  
    color:rgb(227, 237, 238)  
}
```

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(227, 237, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 237, 238) }
```

Border

The CSS property to change the border of an element to Yxy 83.0723, 0.3055, 0.3279 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(227, 237, 238) }
```

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

```
.border{ border-color:rgb(227, 237, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 237, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 237, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 237, 238);  
box-shadow:4px 4px 4px 4px rgb(227, 237,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 83.0723, 0.3055, 0.3279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 237, 238) }
```

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

```
.background{ background-color: rgb(227,  
237, 238) }
```

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