

Converting Colors

$Yxy(83.0945, 0.3032, 0.3230)$

Have a look what the booklet for
Yxy(83.0945, 0.3032, 0.3230)
contains.

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Color

Yxy(83.3101, 0.3031, 0.3238)

Conversions

Conversions Part 1

Format	Color
Hex	E3EDF2
RGB	227, 237, 242
RGB Percent	89%, 93%, 95%
CMY	0.1099, 0.0705, 0.0509
CMYK	0.06, 0.02, 0.00, 0.05
HSL	200°, 37%, 92%
HSV	200°, 6%, 95%
XYZ	77.9842, 83.3101, 95.9944
YIQ	234.5800, -7.5650, -0.5650

Conversions

Conversions Part 2

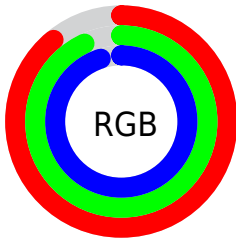
Format	Color
R _Y B	227, 233, 242
Decimal	14937586
CIE Lab	93.15, -2.39, -3.59
CIE LCh	93, 4.308, 236.337
Yxy	83.3101, 0.3031, 0.3238
Android (android.graphics.Color)	4293127666 (0xFFE3EDF2)
YUV	234.5800, 3.6581, -6.6477
Hunter-Lab	91.2744, -7.2209, 1.5360

Details

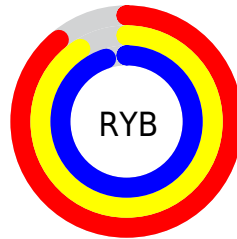
The Yxy color **83.3101, 0.3031, 0.3238** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.1275, 0.3228, 0.3341**, and the grayscale version is **82.7174, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.3636, 0.3013, 0.3223** is the 20% darker color. If you saturate the color by 10%, you get **75.0902, 0.2875, 0.3147**, and if you desaturate by 10%, it is **92.2998, 0.3185, 0.3320**.

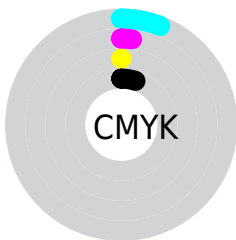
Distribution



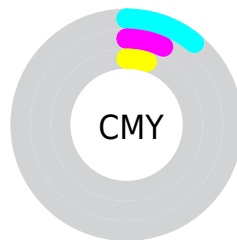
- Red (89%)
- Green (93%)
- Blue (95%)



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



- Cyan (6%)
- Magenta (2%)
- Yellow (0%)
- Black (5%)



- Cyan (11%)
- Magenta (7%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.3101, 0.3031, 0.3238 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 83.3101, 0.3031, 0.3238 by changing the saturation by 10% instead.

■ 83.3101, 0.3031,
0.3238

■ 83.3101, 0.3031,
0.3238

506.0194, 0.3074,
0.3262

■ 62.4460, 0.3021,
0.3233

138.0097, 0.3046,
0.3246

■ 45.3932, 0.3010,
0.3226

172.6140, 0.3052,
0.3249

■ 31.7672, 0.2995,
0.3218

212.5671, 0.3057,
0.3252

■ 21.1838, 0.2976,
0.3207

258.2535, 0.3061,
0.3255

■ 13.2584, 0.2950,
0.3193

310.0575, 0.3065,
0.3257

■ 7.6067, 0.2915,
0.3173

368.3636, 0.3068,

■ 3.8443, 0.2862,

0.3259

0.3142

433.5561, 0.3072,
0.3260

■ 1.5869, 0.2773,
0.3090

■ 0.3487, 0.2181,
0.2785

■ 83.3101, 0.3031,
0.3238

■ 83.3101, 0.3031,
0.3238

■ 75.0902, 0.2875,
0.3147

■ 92.2998, 0.3185,
0.3320

■ 67.6039, 0.2720,
0.3047

■ 98.0027, 0.3204,
0.3397

■ 60.8273, 0.2569,
0.2939

■ 99.1924, 0.3203,
0.3415

■ 54.7312, 0.2426,
0.2823

■ 49.2838, 0.2295,
0.2701

■ 44.4501, 0.2178,
0.2574

■ 40.1907, 0.2080,
0.2445

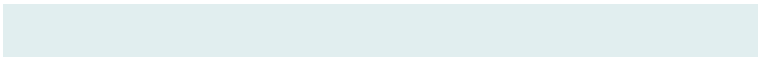
■ 36.4604, 0.2003,
0.2317

■ 33.2031, 0.1947,
0.2190

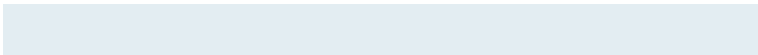
Harmonies

Analogous

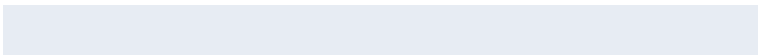
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.3101, 0.3041, 0.3279



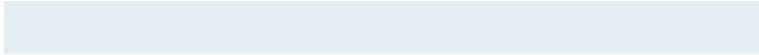
83.3101, 0.3031, 0.3238



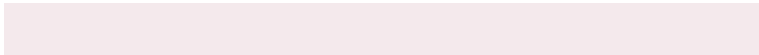
83.3101, 0.3047, 0.3211

Triad

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



83.3101, 0.3031, 0.3238



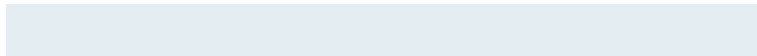
83.3101, 0.3181, 0.3257



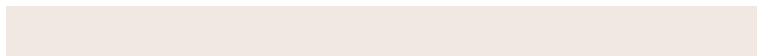
83.3101, 0.3170, 0.3376

Complementary

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



83.3101, 0.3031, 0.3238



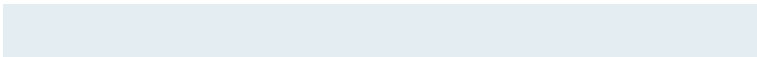
82.1275, 0.3228, 0.3341

Split Complementary

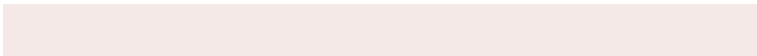
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.3101, 0.3208, 0.3369



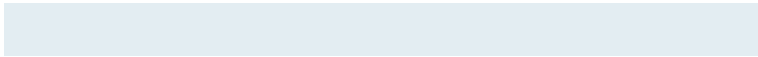
83.3101, 0.3031, 0.3238



83.3101, 0.3215, 0.3300

Square

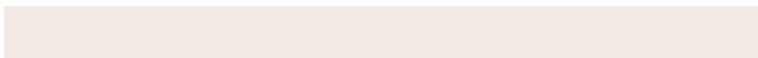
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



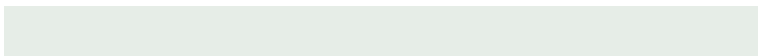
83.3101, 0.3031, 0.3238



83.3101, 0.3133, 0.3223



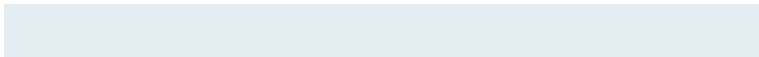
83.3101, 0.3224, 0.3341



83.3101, 0.3120, 0.3359

Rectangle

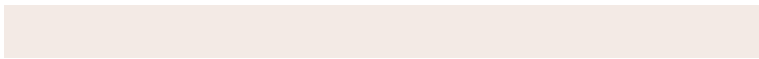
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.3101, 0.3031, 0.3238



83.3101, 0.3070, 0.3205



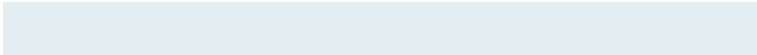
83.3101, 0.3224, 0.3341



83.3101, 0.3184, 0.3376

Sweetspot

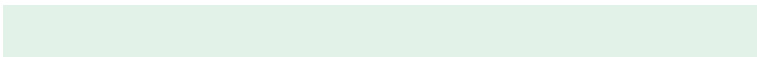
The Sweet Spot groups the original color and five complimentary colors.



83.3136, 0.3031, 0.3238



97.9671, 0.3096, 0.3274



85.6566, 0.3091, 0.3397



20.9904, 0.3098, 0.3274



0.0000, 0.0000, 0.0000



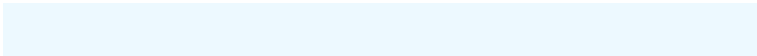
21.4041, 0.3127, 0.3290

Same Dimension

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



83.3136, 0.3031, 0.3238



93.0377, 0.3019, 0.3231



79.1792, 0.3032, 0.3162



17.3274, 0.3010, 0.3226



17.4821, 0.1935, 0.2164



1.6363, 0.1981, 0.2330

Inverse Universe

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



79.9163, 0.3167, 0.3188



88.7585, 0.3172, 0.3175



86.3147, 0.3222, 0.3415



16.4672, 0.3176, 0.3166



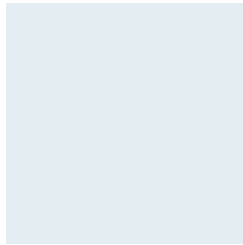
11.5582, 0.4271, 0.2127



0.9799, 0.4096, 0.2030

Previews

White Background



This preview shows how the Yxy color 83.3101, 0.3031, 0.3238 looks on a white background.

Color Contrast Check

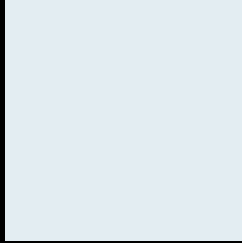
Large Text (above 18pt) WCAG AA × Fail

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 83.3101, 0.3031, 0.3238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

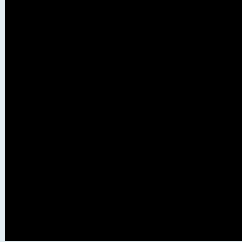
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

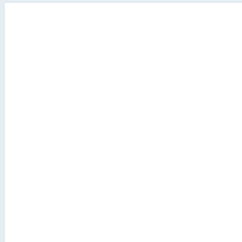
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.3101, 0.3031, 0.3238

Background



This preview shows how black text looks on a background with the Yxy color 83.3101, 0.3031, 0.3238.

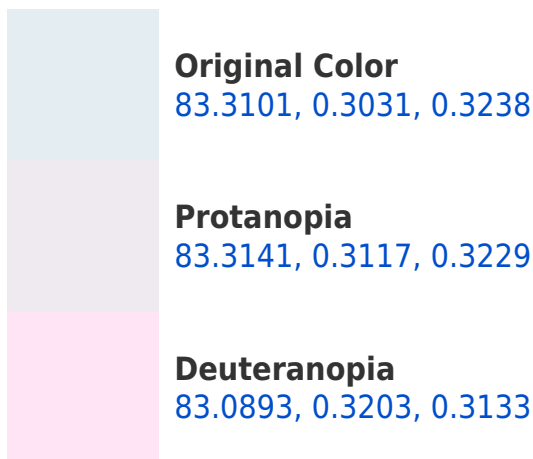


This preview shows how white text looks on a background with the Yxy color 83.3101, 0.3031, 0.3238.

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

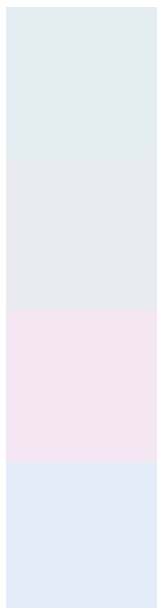




Tritanopia

83.2304, 0.2973, 0.3097

Trichromacy



Original Color

83.3101, 0.3031, 0.3238

Protanomaly

83.2600, 0.3084, 0.3229

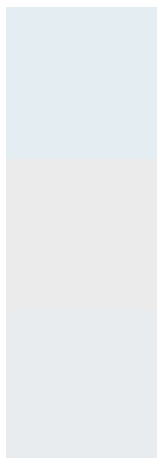
Deuteranomaly

82.8560, 0.3140, 0.3170

Tritanomaly

83.3870, 0.2990, 0.3147

Monochromacy



Original Color

83.3101, 0.3031, 0.3238

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.3198, 0.3088, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.3101, 0.3031, 0.3238 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, 242)` looks like.

```
.text, #text, p{  
    color:rgb(227, 237, 242)  
}
```

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, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 237, 242) }
```

Border

The CSS property to change the border of an element to Yxy 83.3101, 0.3031, 0.3238 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, 242) }
```

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

```
.border{ border-color:rgb(227, 237, 242) }
```

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, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 237, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 237, 242);  
box-shadow:4px 4px 4px 4px rgb(227, 237,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 83.3101, 0.3031, 0.3238 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, 242) }
```

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

```
.background{ background-color: rgb(227,  
237, 242) }
```

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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