

Converting Colors

$Y_{xy}(82.8231, 0.3065, 0.3291)$

Have a look what the booklet for
Yxy(82.8231, 0.3065, 0.3291)
contains.

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Color

Yxy(83.0137, 0.3061, 0.3290)

Conversions

Conversions Part 1

Format	Color
Hex	E3EDED
RGB	227, 237, 237
RGB Percent	89%, 93%, 93%
CMY	0.1100, 0.0705, 0.0706
CMYK	0.04, 0.00, 0.00, 0.07
HSL	180°, 22%, 91%
HSV	180°, 4%, 93%
XYZ	77.2355, 83.0137, 92.0720
YIQ	234.0100, -5.9600, -2.1200

Conversions

Conversions Part 2

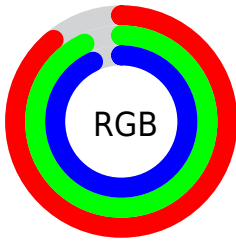
Format	Color
R_{YB}	227, 232, 237
Decimal	14937581
CIE Lab	93.02, -3.33, -1.16
CIE LCh	93, 3.528, 199.200
Yxy	83.0137, 0.3061, 0.3290
Android (android.graphics.Color)	4293127661 (0xFFE3EDED)
YUV	234.0100, 1.4741, -6.1478
Hunter-Lab	91.1119, -8.1312, 3.8635

Details

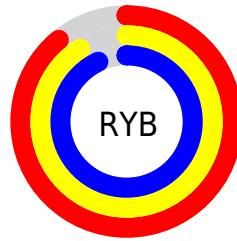
The Yxy color **83.0137, 0.3061, 0.3290** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **78.4610, 0.3197, 0.3290**, and the grayscale version is **82.2757, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.1546, 0.3051, 0.3290** is the 20% darker color. If you saturate the color by 10%, you get **79.4230, 0.2911, 0.3290**, and if you desaturate by 10%, it is **87.1420, 0.3218, 0.3290**.

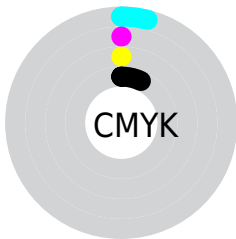
Distribution



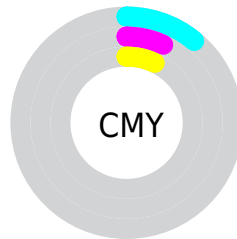
- Red (89%)
- Green (93%)
- Blue (93%)



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



- Cyan (4%)
- Magenta (0%)
- Yellow (0%)
- Black (7%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.0137, 0.3061, 0.3290 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 83.0137, 0.3061, 0.3290 by changing the saturation by 10% instead.

83.0137, 0.3061,
0.3290

83.0137, 0.3061,
0.3290

505.0322, 0.3091,
0.3290

62.2015, 0.3054,
0.3290

137.5946, 0.3071,
0.3290

45.1955, 0.3046,
0.3290

172.1321, 0.3075,
0.3290

31.6114, 0.3036,
0.3290

212.0135, 0.3079,
0.3290

21.0649, 0.3023,
0.3290

257.6231, 0.3082,
0.3290

13.1714, 0.3005,
0.3289

309.3454, 0.3084,
0.3290

7.5467, 0.2980,
0.3289

367.5648, 0.3087,

3.8063, 0.2943,

0.3290

432.6655, 0.3089,
0.3290

0.3288

■ 1.5658, 0.2881,
0.3286

■ 0.3344, 0.2327,
0.3291

■ 83.0137, 0.3061,
0.3290

■ 83.0137, 0.3061,
0.3290

■ 79.4230, 0.2911,
0.3290

■ 87.1420, 0.3218,
0.3290

■ 76.3377, 0.2771,
0.3290

■ 87.9610, 0.3247,
0.3290


■ 73.7383, 0.2643,
0.3291

■ 87.9639, 0.3247,
0.3289

■ 71.6001, 0.2532,
0.3291

■ 87.9668, 0.3247,
0.3289

 69.8960, 0.2438,
0.3291

 87.9698, 0.3246,
0.3288

 68.5964, 0.2364,
0.3292

 87.9727, 0.3246,
0.3288


 67.6678, 0.2309,
0.3292

 87.9756, 0.3246,
0.3287

 67.0712, 0.2273,
0.3293

 87.9785, 0.3245,
0.3287

 66.7593, 0.2254,
0.3294

 87.9815, 0.3245,
0.3286

Harmonies

Analogous

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



83.0137, 0.3091, 0.3326



83.0137, 0.3061, 0.3290



83.0137, 0.3048, 0.3255

Triad

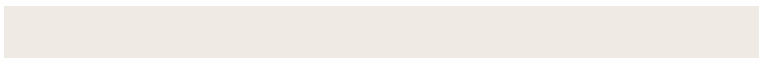
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.0137, 0.3061, 0.3290



83.0137, 0.3122, 0.3230



83.0137, 0.3198, 0.3351

Complementary

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



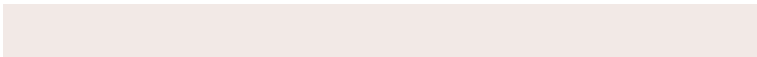
83.0137, 0.3061, 0.3290



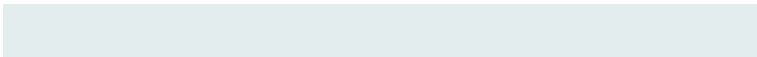
78.4610, 0.3197, 0.3290

Split Complementary

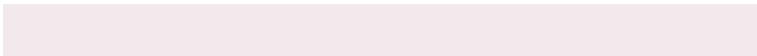
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.0137, 0.3207, 0.3325



83.0137, 0.3061, 0.3290



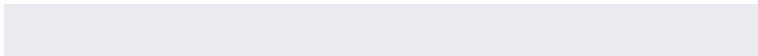
83.0137, 0.3163, 0.3255

Square

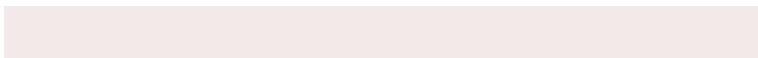
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.0137, 0.3061, 0.3290



83.0137, 0.3084, 0.3220



83.0137, 0.3194, 0.3290



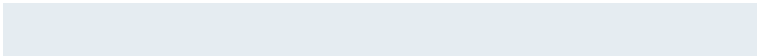
83.0137, 0.3171, 0.3361

Rectangle

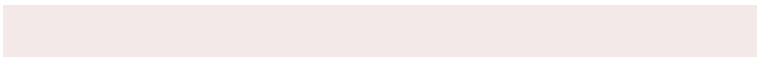
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



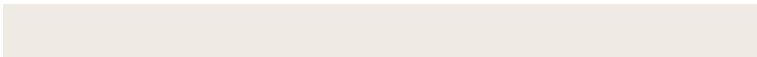
83.0137, 0.3061, 0.3290



83.0137, 0.3051, 0.3236



83.0137, 0.3194, 0.3290



83.0137, 0.3204, 0.3344

Sweetspot

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



83.0172, 0.3061, 0.3290



99.5192, 0.3111, 0.3290



82.4732, 0.3123, 0.3395



21.3063, 0.3112, 0.3290



0.0000, 0.0000, 0.0000



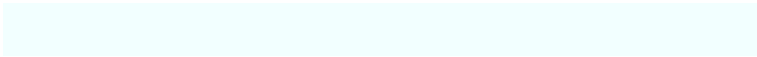
21.4041, 0.3127, 0.3290

Same Dimension

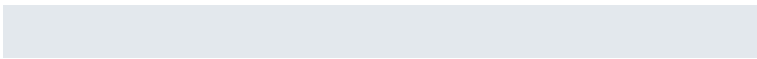
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.0172, 0.3061, 0.3290



97.6598, 0.3049, 0.3290



80.2363, 0.3062, 0.3239



17.4155, 0.3039, 0.3290



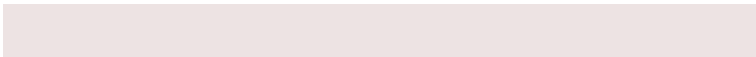
36.3907, 0.2248, 0.3294



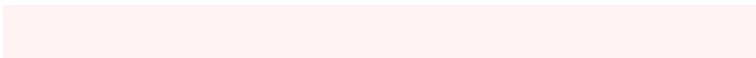
2.8577, 0.2248, 0.3293

Inverse Universe

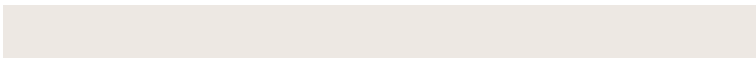
The Inverse Universe completely reimagines the original color for something new.



78.4610, 0.3197, 0.3290



91.3406, 0.3211, 0.3290



81.1608, 0.3194, 0.3340



16.1430, 0.3222, 0.3290



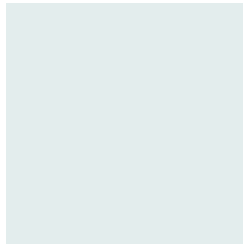
9.8306, 0.6398, 0.3298



0.7721, 0.6392, 0.3295

Previews

White Background



This preview shows how the Yxy color 83.0137, 0.3061, 0.3290 looks on a white background.

Color Contrast Check

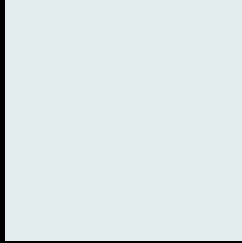
Large Text (above 18pt) WCAG AA × Fail

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 83.0137, 0.3061, 0.3290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

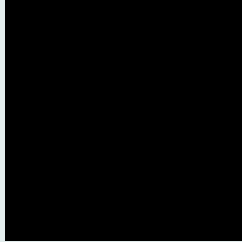
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

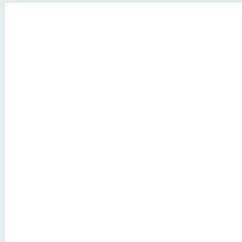
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.0137, 0.3061, 0.3290

Background



This preview shows how black text looks on a background with the Yxy color 83.0137, 0.3061, 0.3290.

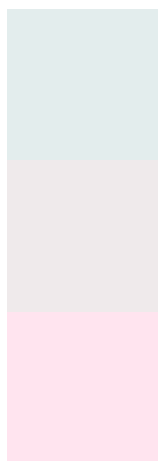


This preview shows how white text looks on a background with the Yxy color 83.0137, 0.3061, 0.3290.

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

83.0137, 0.3061, 0.3290

Protanopia

83.1945, 0.3155, 0.3280

Deuteranopia

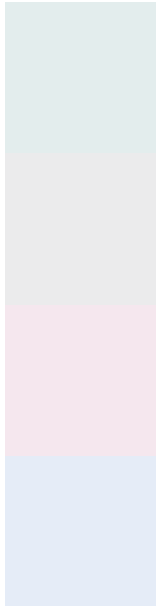
82.9788, 0.3243, 0.3182



Tritanopia

83.3315, 0.2986, 0.3107

Trichromacy



Original Color

83.0137, 0.3061, 0.3290

Protanomaly

83.1350, 0.3121, 0.3280

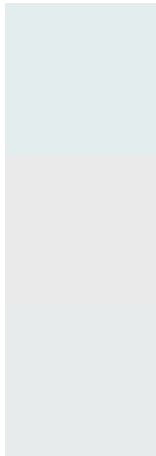
Deuteranomaly

82.7374, 0.3178, 0.3220

Tritanomaly

83.3643, 0.3015, 0.3177

Monochromacy



Original Color

83.0137, 0.3061, 0.3290

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 83.0137, 0.3061, 0.3290 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, 237)` looks like.

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

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, 237) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 83.0137, 0.3061, 0.3290 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, 237) }
```

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

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

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, 237) colored shadow looks like.

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


Background

The CSS property to change the background color of an element to Yxy 83.0137, 0.3061, 0.3290 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, 237) }
```

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

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

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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