

Converting Colors

$Yxy(80.0936, 0.3129, 0.3242)$

Have a look what the booklet for
Yxy(80.0936, 0.3129, 0.3242)
contains.

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Color

Yxy(80.2540, 0.3130, 0.3239)

Conversions

Conversions Part 1

Format	Color
Hex	EBE6EB
RGB	235, 230, 235
RGB Percent	92%, 90%, 92%
CMY	0.0783, 0.0980, 0.0786
CMYK	0.00, 0.02, 0.00, 0.08
HSL	301°, 11%, 91%
HSV	301°, 2%, 92%
XYZ	77.5533, 80.2540, 89.9667
YIQ	232.0650, 1.3750, 2.6150

Conversions

Conversions Part 2

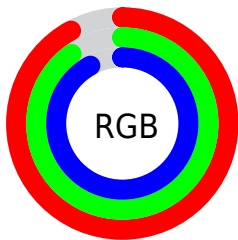
Format	Color
R_{YB}	235, 230, 235
Decimal	15460075
CIE Lab	91.80, 2.57, -1.81
CIE LCh	92, 3.148, 324.815
Yxy	80.2540, 0.3130, 0.3239
Android (android.graphics.Color)	4293650155 (0xFFE6E6EB)
YUV	232.0650, 1.4470, 2.5740
Hunter-Lab	89.5846, -2.2458, 3.1663

Details

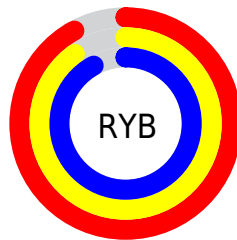
The Yxy color $80.2540, 0.3130, 0.3239$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $81.9704, 0.3124, 0.3342$, and the grayscale version is $80.7380, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $43.4983, 0.3130, 0.3237$ is the 20% darker color. If you saturate the color by 10%, you get $68.0285, 0.3144, 0.2995$, and if you desaturate by 10%, it is $94.2500, 0.3117, 0.3473$.

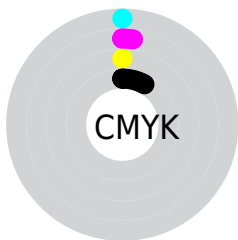
Distribution



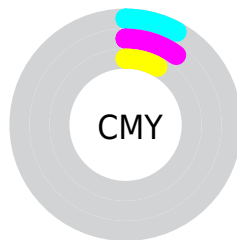
- Red (92%)
- Green (90%)
- Blue (92%)



- Red (92%)
- Yellow (90%)
- Blue (92%)



- Cyan (0%)
- Magenta (2%)
- Yellow (0%)
- Black (8%)




- Cyan (8%)
- Magenta (10%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.2540, 0.3130, 0.3239 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 80.2540, 0.3130, 0.3239 by changing the saturation by 10% instead.


 80.2540, 0.3130,
0.3239

 80.2540, 0.3130,
0.3239


495.7884, 0.3129,
0.3262

 59.9274, 0.3130,
0.3234

133.7228, 0.3130,
0.3247

 43.3601, 0.3131,
0.3227


167.6337, 0.3129,
0.3250

 30.1678, 0.3131,
0.3219

206.8416, 0.3129,
0.3253

 19.9660, 0.3131,
0.3209

251.7308, 0.3129,
0.3255

 12.3703, 0.3132,
0.3195

302.6857, 0.3129,
0.3257

 6.9964, 0.3133,
0.3176

360.0906, 0.3129,

 3.4598, 0.3134,

0.3259

0.3146

424.3301, 0.3129,
0.3261

■ 1.3763, 0.3136,
0.3096

■ 0.1991, 0.3171,
0.2505

■ 80.2540, 0.3130,
0.3239

■ 80.2540, 0.3130,
0.3239

■ 68.0285, 0.3144,
0.2995

■ 94.2500, 0.3117,
0.3473

■ 57.4929, 0.3158,
0.2747

■ 95.2173, 0.3115,
0.3485

■ 48.5762, 0.3173,
0.2502

■ 95.2351, 0.3113,
0.3482

■ 41.1978, 0.3187,
0.2268

■ 95.2530, 0.3111,
0.3478

35.2707, 0.3201,
0.2057

95.2708, 0.3109,
0.3475

30.6989, 0.3213,
0.1877

95.2887, 0.3108,
0.3472

27.3751, 0.3224,
0.1735

95.3067, 0.3106,
0.3469

25.1757, 0.3232,
0.1636

95.3247, 0.3104,
0.3466

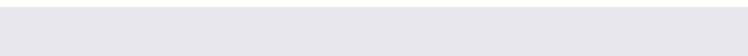
23.9517, 0.3239,
0.1580

95.3427, 0.3102,
0.3463

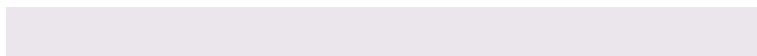
Harmonies

Analogous

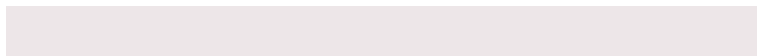
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.2540, 0.3094, 0.3227



80.2540, 0.3130, 0.3239



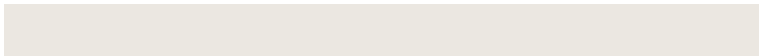
80.2540, 0.3166, 0.3264

Triad

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



80.2540, 0.3130, 0.3239



80.2540, 0.3188, 0.3348



80.2540, 0.3064, 0.3284

Complementary

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



80.2540, 0.3130, 0.3239



81.9704, 0.3124, 0.3342

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.



80.2540, 0.3089, 0.3317



80.2540, 0.3130, 0.3239



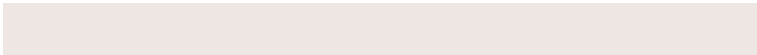
80.2540, 0.3160, 0.3354

Square

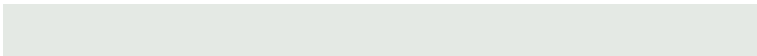
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.2540, 0.3130, 0.3239



80.2540, 0.3199, 0.3327



80.2540, 0.3124, 0.3342



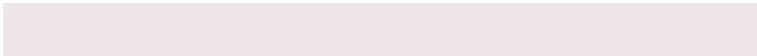
80.2540, 0.3056, 0.3253

Rectangle

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



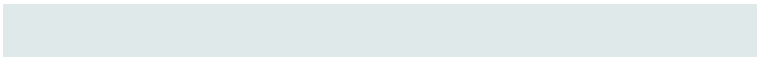
80.2540, 0.3130, 0.3239



80.2540, 0.3184, 0.3285



80.2540, 0.3124, 0.3342



80.2540, 0.3071, 0.3295

Sweetspot

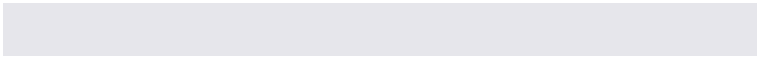
The Sweet Spot groups the original color and five complimentary colors.



80.2575, 0.3130, 0.3239



98.3816, 0.3128, 0.3266



79.4188, 0.3096, 0.3238



21.0748, 0.3128, 0.3267



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.



80.2575, 0.3130, 0.3239



95.2094, 0.3131, 0.3218



80.1172, 0.3146, 0.3264



16.8157, 0.3132, 0.3199



13.0717, 0.3242, 0.1560



1.0275, 0.3237, 0.1557

Inverse Universe

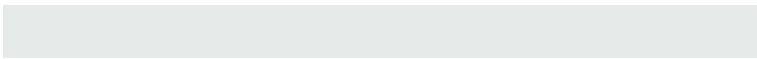
The Inverse Universe completely reimagines the original color for something new.



80.2575, 0.3130, 0.3239



95.2094, 0.3131, 0.3218



82.1087, 0.3109, 0.3316



16.8157, 0.3132, 0.3199



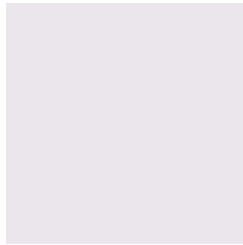
13.0717, 0.3242, 0.1560



1.0275, 0.3237, 0.1557

Previews

White Background



This preview shows how the Yxy color 80.2540, 0.3130, 0.3239 looks on a white background.

Color Contrast Check

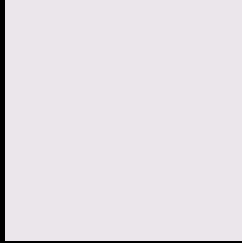
Large Text (above 18pt) WCAG AA × Fail

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 80.2540, 0.3130, 0.3239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

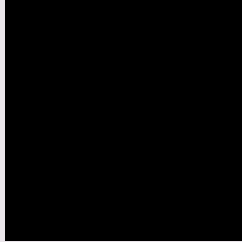
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

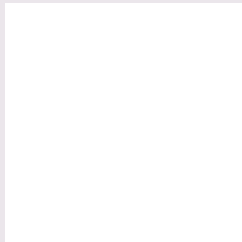
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.2540, 0.3130, 0.3239

Background



This preview shows how black text looks on a background with the Yxy color 80.2540, 0.3130, 0.3239.

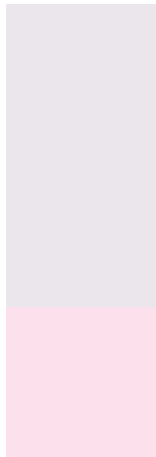


This preview shows how white text looks on a background with the Yxy color 80.2540, 0.3130, 0.3239.

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

80.2540, 0.3130, 0.3239

Protanopia

80.0842, 0.3123, 0.3238

Deuteranopia

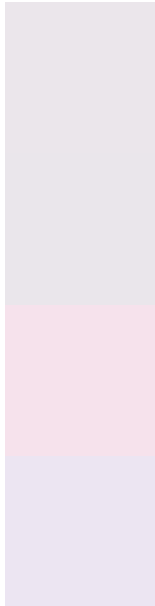
80.0629, 0.3245, 0.3171



Tritanopia

80.1452, 0.3075, 0.3107

Trichromacy



Original Color

80.2540, 0.3130, 0.3239

Protanomaly

80.0842, 0.3123, 0.3238

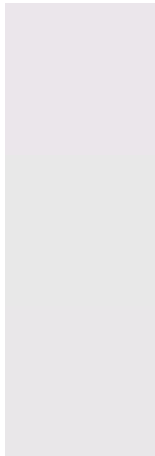
Deuteranomaly

80.0417, 0.3201, 0.3189

Tritanomaly

80.2823, 0.3093, 0.3157

Monochromacy



Original Color

80.2540, 0.3130, 0.3239

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.3587, 0.3128, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.2540, 0.3130, 0.3239 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(235, 230, 235) looks like.

```
.text, #text, p{  
    color:rgb(235, 230, 235)  
}
```

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(235, 230, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 230, 235) }
```

Border

The CSS property to change the border of an element to Yxy 80.2540, 0.3130, 0.3239 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(235, 230, 235) }
```

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

```
.border{ border-color:rgb(235, 230, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 230, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 230, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 230, 235);  
box-shadow:4px 4px 4px 4px rgb(235, 230,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 80.2540, 0.3130, 0.3239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 230, 235) }
```

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

```
.background{ background-color: rgb(235,  
230, 235) }
```

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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