

Converting Colors

$Yxy(81.6372, 0.3139, 0.3288)$

Have a look what the booklet for
Yxy(81.6372, 0.3139, 0.3288)
contains.

Yxy(81.8232, 0.3141, 0.3290)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Yxy(81.8232, 0.3141, 0.3290)

Conversions

Conversions Part 1

Format	Color
Hex	EBE9E9
RGB	235, 233, 233
RGB Percent	92%, 91%, 91%
CMY	0.0783, 0.0863, 0.0863
CMYK	0.00, 0.01, 0.01, 0.08
HSL	360°, 5%, 92%
HSV	360°, 1%, 92%
XYZ	78.1175, 81.8232, 88.7620
YIQ	233.5980, 1.1920, 0.4240

Conversions

Conversions Part 2

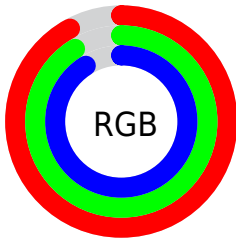
Format	Color
R _Y B	235, 233, 233
Decimal	15460841
CIE Lab	92.50, 0.69, 0.23
CIE LCh	92, 0.732, 18.391
Yxy	81.8232, 0.3141, 0.3290
Android (android.graphics.Color)	4293650921 (0xFFE9E9E9)
YUV	233.5980, -0.2948, 1.2296
Hunter-Lab	90.4562, -4.1465, 5.1398

Details

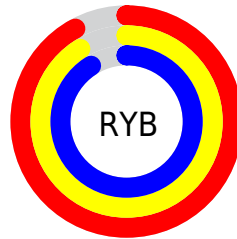
The Yxy color **81.8232, 0.3141, 0.3290** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **82.7651, 0.3113, 0.3290**, and the grayscale version is **81.9675, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.2023, 0.3145, 0.3290** is the 20% darker color. If you saturate the color by 10%, you get **68.1396, 0.3321, 0.3290**, and if you desaturate by 10%, it is **96.4097, 0.3006, 0.3290**.

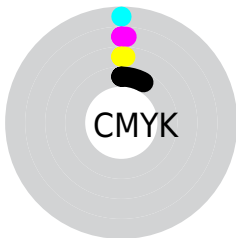
Distribution



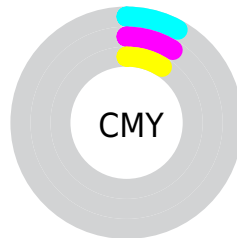
- Red (92%)
- Green (91%)
- Blue (91%)



- Red (92%)
- Yellow (91%)
- Blue (91%)



- Cyan (0%)
- Magenta (1%)
- Yellow (1%)
- Black (8%)



- Cyan (8%)
- Magenta (9%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.8232, 0.3141, 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 81.8232, 0.3141, 0.3290 by changing the saturation by 10% instead.

81.8232, 0.3141,
0.3290

81.8232, 0.3141,
0.3290

501.0561, 0.3135,
0.3290

61.2198, 0.3142,
0.3290

135.9260, 0.3139,
0.3290

44.4026, 0.3144,
0.3290

170.1943, 0.3138,
0.3290

30.9871, 0.3146,
0.3290

209.7863, 0.3137,
0.3290

20.5891, 0.3149,
0.3290

255.0864, 0.3137,
0.3290

12.8239, 0.3153,
0.3290

306.4790, 0.3136,
0.3290

7.3074, 0.3158,
0.3290

364.3486, 0.3136,

3.6551, 0.3166,

0.3290

429.0795, 0.3135,
0.3290

0.3290

1.4826, 0.3180,
0.3289

0.2764, 0.3326,
0.3287

81.8232, 0.3141,
0.3290

81.8232, 0.3141,
0.3290

68.1396, 0.3321,
0.3290

96.4097, 0.3006,
0.3290

56.3270, 0.3546,
0.3291

46.3074, 0.3828,
0.3292

37.9933, 0.4174,
0.3292

■ 31.2896, 0.4588,
0.3293

■ 26.0922, 0.5055,
0.3295

■ 22.2846, 0.5537,
0.3296

■ 19.7334, 0.5964,
0.3298

■ 18.2792, 0.6261,
0.3299

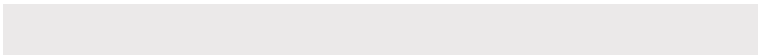
Harmonies

Analogous

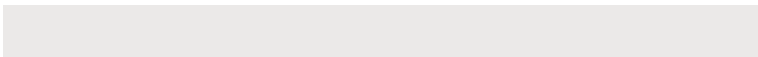
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.8232, 0.3135, 0.3283



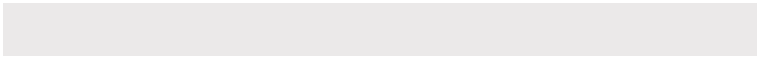
81.8232, 0.3141, 0.3290



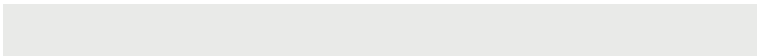
81.8232, 0.3144, 0.3297

Triad

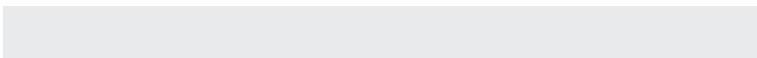
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.8232, 0.3141, 0.3290



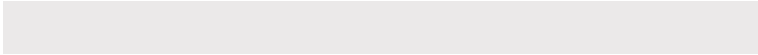
81.8232, 0.3128, 0.3303



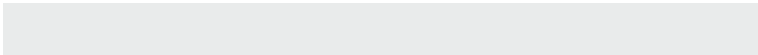
81.8232, 0.3112, 0.3278

Complementary

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



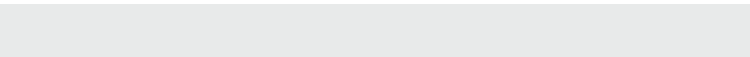
81.8232, 0.3141, 0.3290



82.7651, 0.3113, 0.3290

Split Complementary

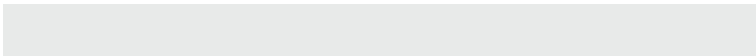
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.8232, 0.3111, 0.3283



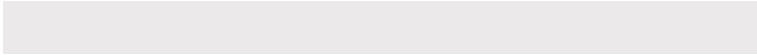
81.8232, 0.3141, 0.3290



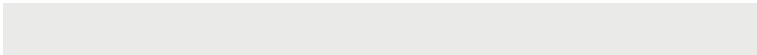
81.8232, 0.3120, 0.3298

Square

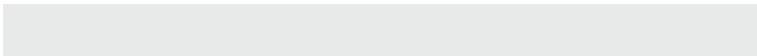
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



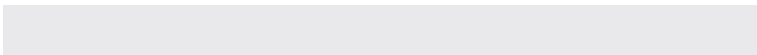
81.8232, 0.3141, 0.3290



81.8232, 0.3137, 0.3305



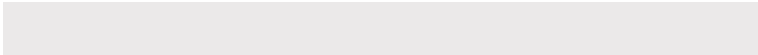
81.8232, 0.3114, 0.3290



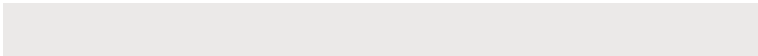
81.8232, 0.3118, 0.3276

Rectangle

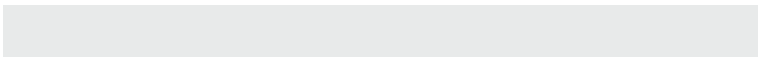
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



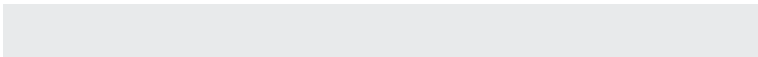
81.8232, 0.3141, 0.3290



81.8232, 0.3143, 0.3301



81.8232, 0.3114, 0.3290



81.8232, 0.3111, 0.3279

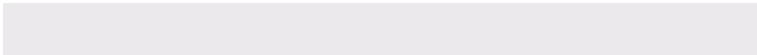
Sweetspot

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



81.8267, 0.3141, 0.3290

100.0000, 0.3127, 0.3290



81.9387, 0.3128, 0.3269



21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

Same Dimension

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



81.8267, 0.3141, 0.3290



98.2207, 0.3143, 0.3290



82.3894, 0.3140, 0.3300



17.5867, 0.3142, 0.3290



9.8301, 0.6400, 0.3299



0.7720, 0.6398, 0.3298

Inverse Universe

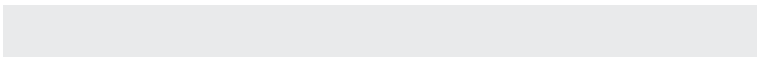
The Inverse Universe completely reimagines the original color for something new.



81.8267, 0.3141, 0.3290



98.2207, 0.3143, 0.3290



82.1991, 0.3114, 0.3280



17.5867, 0.3142, 0.3290



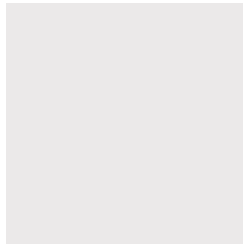
9.8301, 0.6400, 0.3299



0.7720, 0.6398, 0.3298

Previews

White Background



This preview shows how the Yxy color 81.8232, 0.3141, 0.3290 looks on a white background.

Color Contrast Check

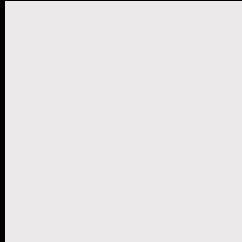
Large Text (above 18pt) WCAG AA × Fail

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 81.8232, 0.3141, 0.3290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

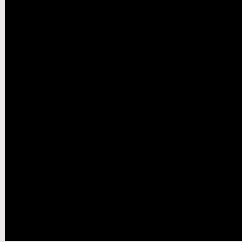
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

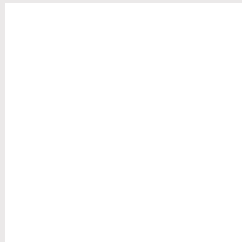
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.8232, 0.3141, 0.3290

Background



This preview shows how black text looks on a background with the Yxy color 81.8232, 0.3141, 0.3290.

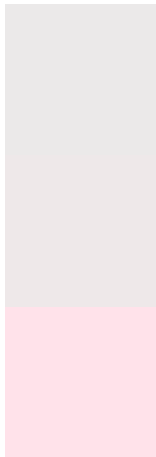


This preview shows how white text looks on a background with the Yxy color 81.8232, 0.3141, 0.3290.

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

81.8232, 0.3141, 0.3290

Protanopia

81.7736, 0.3162, 0.3280

Deuteranopia

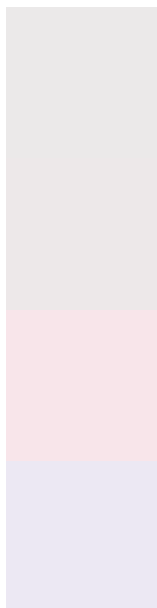
81.5932, 0.3278, 0.3211



Tritanopia

81.9959, 0.3055, 0.3108

Trichromacy



Original Color

81.8232, 0.3141, 0.3290

Protanomaly

81.6009, 0.3155, 0.3280

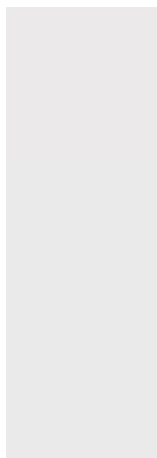
Deuteranomaly

81.9356, 0.3226, 0.3240

Tritanomaly

82.0172, 0.3085, 0.3178

Monochromacy



Original Color

81.8232, 0.3141, 0.3290

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.2786, 0.3127, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.8232, 0.3141, 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(235, 233, 233)` looks like.

```
.text, #text, p{  
    color:rgb(235, 233, 233)  
}
```

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, 233, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 233, 233) }
```

Border

The CSS property to change the border of an element to Yxy 81.8232, 0.3141, 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(235, 233, 233) }
```

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

```
.border{ border-color:rgb(235, 233, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 233, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 233, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 233, 233);  
box-shadow:4px 4px 4px 4px rgb(235, 233,  
233) }
```

Background

The CSS property to change the background color of an element to Yxy 81.8232, 0.3141, 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(235, 233, 233) }
```

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

```
.background{ background-color: rgb(235,  
233, 233) }
```

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