

Converting Colors

$Y_{xy}(81.7989, 0.3127, 0.3290)$

Have a look what the booklet for
Yxy(81.7989, 0.3127, 0.3290)
contains.

Yxy(81.4847, 0.3127, 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(81.4847, 0.3127, 0.3290)

Conversions

Conversions Part 1

Format	Color
Hex	E9E9E9
RGB	233, 233, 233
RGB Percent	91%, 91%, 91%
CMY	0.0863, 0.0862, 0.0862
CMYK	0.00, 0.00, 0.00, 0.09
HSL	174°, 0%, 91%
HSV	174°, 0%, 91%
XYZ	77.4476, 81.4847, 88.7415
YIQ	233.0000, -0.0000, -0.0000

Conversions

Conversions Part 2

Format	Color
R _Y B	233, 233, 233
Decimal	15329769
CIE Lab	92.35, -0.00, -0.01
CIE LCh	92, 0.013, 259.964
Yxy	81.4847, 0.3127, 0.3290
Android (android.graphics.Color)	4293519849 (0xFFE9E9E9)
YUV	233.0000, 0.0000, 0.0000
Hunter-Lab	90.2689, -4.8236, 4.9014

Details

The Yxy color **81.4847, 0.3127, 0.3290** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.4765, 0.3127, 0.3290**, and the grayscale version is **81.4863, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.9657, 0.3127, 0.3290** is the 20% darker color. If you saturate the color by 10%, you get **77.6946, 0.2987, 0.3314**, and if you desaturate by 10%, it is **85.5567, 0.3263, 0.3268**.

Distribution



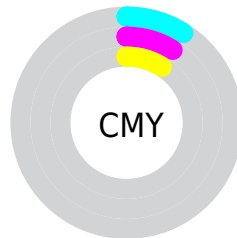
- Red (91%)
- Green (91%)
- Blue (91%)



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



- Cyan (0%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.4847, 0.3127, 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 81.4847, 0.3127, 0.3290 by changing the saturation by 10% instead.


 81.4847, 0.3127,
0.3290

 81.4847, 0.3127,
0.3290


499.9224, 0.3127,
0.3290

 60.9409, 0.3127,
0.3290


135.4511, 0.3127,
0.3290

 44.1775, 0.3127,
0.3290

169.6425, 0.3127,
0.3290

 30.8100, 0.3127,
0.3290


209.1519, 0.3127,
0.3290

 20.4542, 0.3127,
0.3290

254.3637, 0.3127,
0.3290

 12.7257, 0.3127,
0.3290

305.6622, 0.3127,
0.3290

 7.2399, 0.3127,
0.3290

363.4319, 0.3127,

 3.6126, 0.3127,

0.3290

0.3290

428.0572, 0.3127,
0.3290

■ 1.4593, 0.3126,
0.3289

■ 0.2598, 0.3123,
0.3287

■ 81.4847, 0.3127,
0.3290

■ 81.4847, 0.3127,
0.3290

■ 77.6946, 0.2987,
0.3314

■ 85.5567, 0.3263,
0.3268

■ 74.4003, 0.2854,
0.3340

■ 85.6878, 0.3248,
0.3246


■ 71.5838, 0.2731,
0.3369


■ 85.8206, 0.3234,
0.3224


■ 69.2222, 0.2621,
0.3399

■ 85.9550, 0.3219,
0.3202


 67.2904, 0.2526,
0.3430


 86.0910, 0.3205,
0.3181

 65.7613, 0.2450,
0.3463


 86.2288, 0.3191,
0.3159


 64.6042, 0.2393,
0.3496

 86.3682, 0.3176,
0.3137

 63.7845, 0.2355,
0.3530

 86.5093, 0.3162,
0.3116

 63.2607, 0.2336,
0.3563

 86.6521, 0.3148,
0.3094

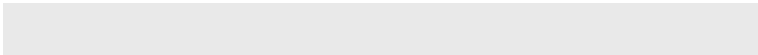
Harmonies

Triad

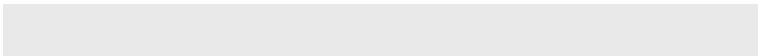
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.4847, 0.3127, 0.3290



81.4847, 0.3128, 0.3290



81.4847, 0.3127, 0.3290

Complementary

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



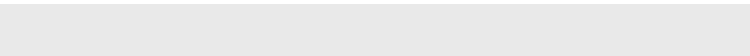
81.4847, 0.3127, 0.3290



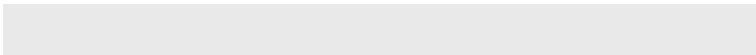
81.4765, 0.3127, 0.3290

Split Complementary

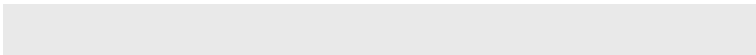
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.4847, 0.3127, 0.3290



81.4847, 0.3127, 0.3290



81.4847, 0.3128, 0.3290

Square

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



81.4847, 0.3127, 0.3290



81.4847, 0.3127, 0.3290



81.4847, 0.3128, 0.3290



81.4847, 0.3127, 0.3290

Rectangle

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



81.4847, 0.3127, 0.3290



81.4847, 0.3127, 0.3290



81.4847, 0.3128, 0.3290



81.4847, 0.3127, 0.3290

Sweetspot

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



81.4882, 0.3127, 0.3290

100.0000, 0.3127, 0.3290



81.4873, 0.3127, 0.3290



21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

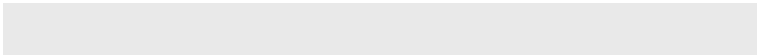
Same Dimension

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



81.4882, 0.3127, 0.3290

100.0000, 0.3127, 0.3290



81.4824, 0.3127, 0.3290



17.8868, 0.3127, 0.3290



35.7328, 0.2331, 0.3591



2.8132, 0.2318, 0.3545

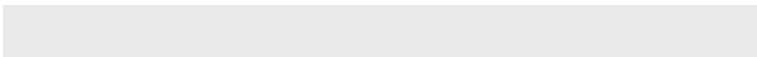
Inverse Universe

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



81.4765, 0.3127, 0.3290

100.0000, 0.3127, 0.3290



81.4823, 0.3127, 0.3290



17.8868, 0.3127, 0.3290



9.8718, 0.6288, 0.3238



0.7832, 0.6035, 0.3098

Previews

White Background



This preview shows how the Yxy color 81.4847, 0.3127, 0.3290 looks on a white background.

Color Contrast Check

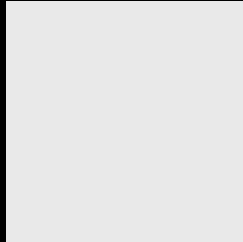
Large Text (above 18pt) WCAG AA × Fail

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 81.4847, 0.3127, 0.3290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

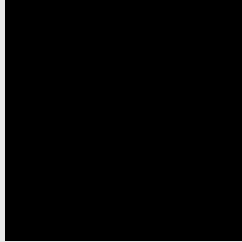
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

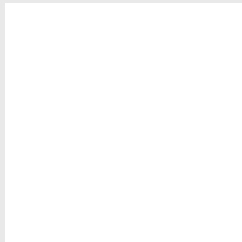
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.4847, 0.3127, 0.3290

Background



This preview shows how black text looks on a background with the Yxy color 81.4847, 0.3127, 0.3290.

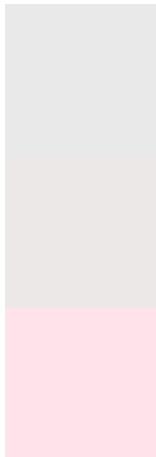


This preview shows how white text looks on a background with the Yxy color 81.4847, 0.3127, 0.3290.

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

81.4847, 0.3127, 0.3290

Protanopia

81.5439, 0.3161, 0.3290

Deuteranopia

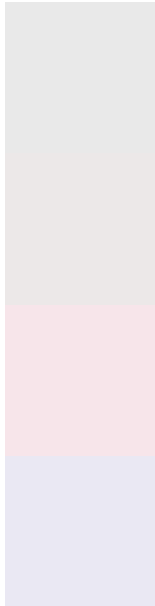
81.5932, 0.3278, 0.3211



Tritanopia

81.6535, 0.3042, 0.3108

Trichromacy



Original Color

81.4847, 0.3127, 0.3290

Protanomaly

81.3723, 0.3154, 0.3290

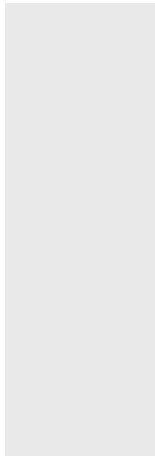
Deuteranomaly

81.7533, 0.3219, 0.3240

Tritanomaly

81.6767, 0.3072, 0.3178

Monochromacy



Original Color

81.4847, 0.3127, 0.3290

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.4847, 0.3127, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.4847, 0.3127, 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(233, 233, 233)` looks like.

```
.text, #text, p{  
    color:rgb(233, 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(233, 233, 233) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 81.4847, 0.3127, 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(233, 233, 233) }
```

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

```
.border{ border-color:rgb(233, 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(233, 233, 233)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to Yxy 81.4847, 0.3127, 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(233, 233, 233) }
```

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

```
.background{ background-color: rgb(233,  
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