

Converting Colors

$Y_{xy}(80.8320, 0.3165, 0.3317)$

Have a look what the booklet for
Yxy(80.8320, 0.3165, 0.3317)
contains.

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Color

Yxy(81.0325, 0.3167, 0.3321)

Conversions

Conversions Part 1

Format	Color
Hex	EBE8E5
RGB	235, 232, 229
RGB Percent	92%, 91%, 90%
CMY	0.0782, 0.0902, 0.1020
CMYK	0.00, 0.01, 0.03, 0.08
HSL	30°, 13%, 91%
HSV	30°, 3%, 92%
XYZ	77.2749, 81.0325, 85.6929
YIQ	232.5550, 2.7510, -0.2970

Conversions

Conversions Part 2

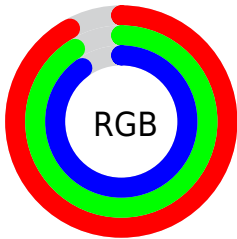
Format	Color
R _Y B	235, 235, 229
Decimal	15460581
CIE Lab	92.15, 0.52, 1.81
CIE LCh	92, 1.877, 74.054
Yxy	81.0325, 0.3167, 0.3321
Android (android.graphics.Color)	4293650661 (0xFFE8E5)
YUV	232.5550, -1.7526, 2.1443
Hunter-Lab	90.0181, -4.3005, 6.5714

Details

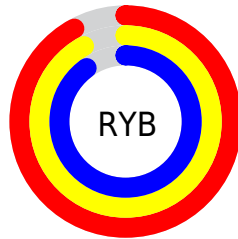
The Yxy color **81.0325, 0.3167, 0.3321** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.4129, 0.3088, 0.3259**, and the grayscale version is **81.1534, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.6904, 0.3170, 0.3317** is the 20% darker color. If you saturate the color by 10%, you get **73.3280, 0.3335, 0.3446**, and if you desaturate by 10%, it is **89.3767, 0.3020, 0.3204**.

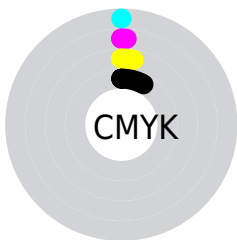
Distribution



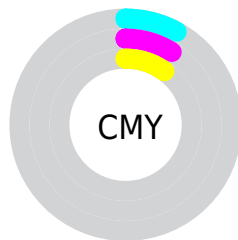
- Red (92%)
- Green (91%)
- Blue (90%)



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



- Cyan (0%)
- Magenta (1%)
- Yellow (3%)
- Black (8%)



- Cyan (8%)
- Magenta (9%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.0325, 0.3167, 0.3321 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 81.0325, 0.3167, 0.3321 by changing the saturation by 10% instead.

81.0325, 0.3167,
0.3321

81.0325, 0.3167,
0.3321

498.4056, 0.3149,
0.3307

60.5684, 0.3171,
0.3324

134.8164, 0.3161,
0.3316

43.8769, 0.3176,
0.3328

168.9050, 0.3158,
0.3314

30.5738, 0.3182,
0.3333

208.3038, 0.3156,
0.3313

20.2745, 0.3190,
0.3339

253.3973, 0.3154,
0.3311

12.5947, 0.3201,
0.3347

304.5698, 0.3153,
0.3310

7.1501, 0.3217,
0.3359

362.2058, 0.3151,

3.5561, 0.3240,

0.3309

426.6896, 0.3150,
0.3308

0.3377

■ 1.4285, 0.3281,
0.3408

■ 0.2376, 0.3918,
0.3905

■ 81.0325, 0.3167,
0.3321

■ 81.0325, 0.3167,
0.3321

■ 73.3280, 0.3335,
0.3446

■ 89.3767, 0.3020,
0.3204

■ 66.2367, 0.3528,
0.3578

■ 96.4129, 0.3006,
0.3290

■ 59.7452, 0.3746,
0.3712

■ 53.8359, 0.3988,
0.3844

■ 48.4902, 0.4253,
0.3965

■ 43.6880, 0.4531,
0.4065

■ 39.4078, 0.4811,
0.4130

■ 35.6260, 0.5074,
0.4149

■ 32.3158, 0.5304,
0.4112

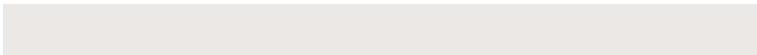
Harmonies

Analogous

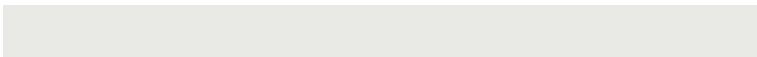
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.0325, 0.3170, 0.3306



81.0325, 0.3167, 0.3321



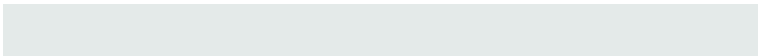
81.0325, 0.3154, 0.3328

Triad

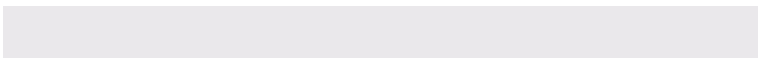
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.0325, 0.3167, 0.3321



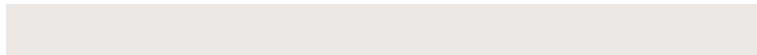
81.0325, 0.3094, 0.3294



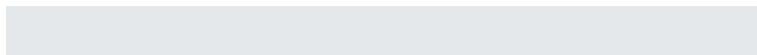
81.0325, 0.3121, 0.3256

Complementary

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



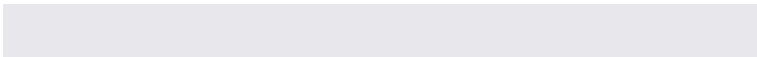
81.0325, 0.3167, 0.3321



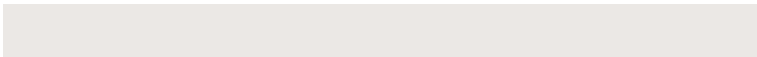
80.4129, 0.3088, 0.3259

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.



81.0325, 0.3101, 0.3253



81.0325, 0.3167, 0.3321



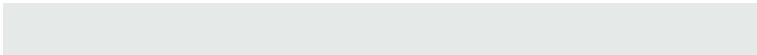
81.0325, 0.3085, 0.3274

Square

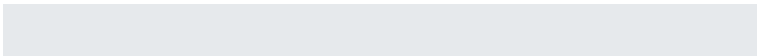
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



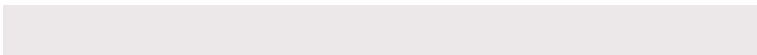
81.0325, 0.3167, 0.3321



81.0325, 0.3112, 0.3312



81.0325, 0.3088, 0.3259



81.0325, 0.3143, 0.3269

Rectangle

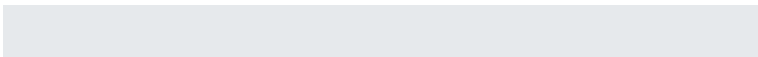
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



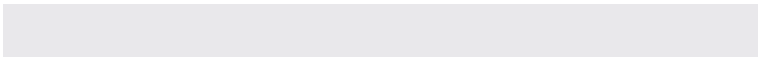
81.0325, 0.3167, 0.3321



81.0325, 0.3141, 0.3327



81.0325, 0.3088, 0.3259



81.0325, 0.3114, 0.3254

Sweetspot

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



81.0360, 0.3167, 0.3321



99.0148, 0.3142, 0.3302



79.5431, 0.3149, 0.3258



21.2037, 0.3142, 0.3301



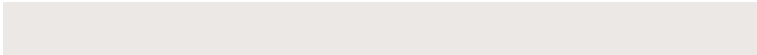
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



81.0360, 0.3167, 0.3321



97.0675, 0.3174, 0.3326



82.7246, 0.3165, 0.3352



17.2297, 0.3186, 0.3336



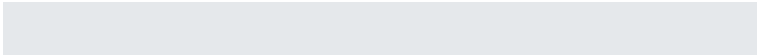
17.0190, 0.5425, 0.4074



1.5286, 0.5209, 0.4246

Inverse Universe

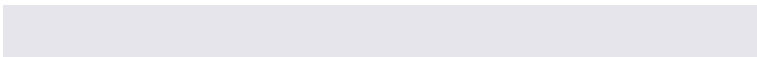
The Inverse Universe completely reimagines the original color for something new.



80.4129, 0.3088, 0.3259



96.1949, 0.3081, 0.3253



78.7518, 0.3089, 0.3228



17.0346, 0.3069, 0.3244



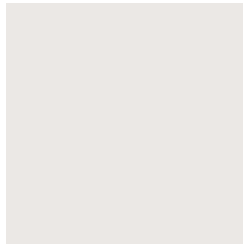
10.9551, 0.1779, 0.1603



1.0528, 0.1848, 0.1851

Previews

White Background



This preview shows how the Yxy color 81.0325, 0.3167, 0.3321 looks on a white background.

Color Contrast Check

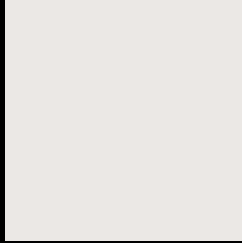
Large Text (above 18pt) WCAG AA × Fail

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 81.0325, 0.3167, 0.3321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

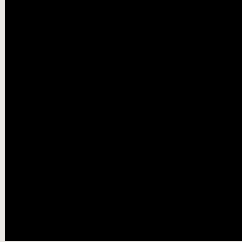
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

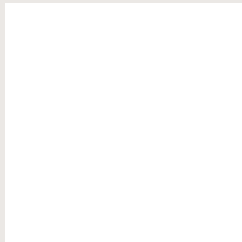
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.0325, 0.3167, 0.3321

Background



This preview shows how black text looks on a background with the Yxy color 81.0325, 0.3167, 0.3321.

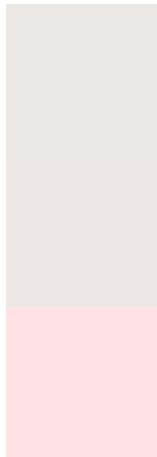


This preview shows how white text looks on a background with the Yxy color 81.0325, 0.3167, 0.3321.

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

81.0325, 0.3167, 0.3321

Protanopia

80.8135, 0.3181, 0.3311

Deuteranopia

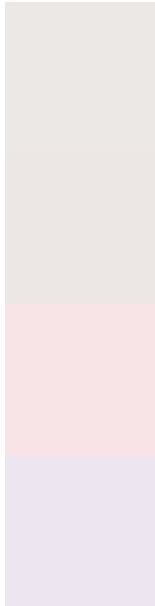
80.8236, 0.3306, 0.3241



Tritanopia

80.9312, 0.3075, 0.3108

Trichromacy



Original Color

81.0325, 0.3167, 0.3321

Protanomaly

80.6418, 0.3174, 0.3311

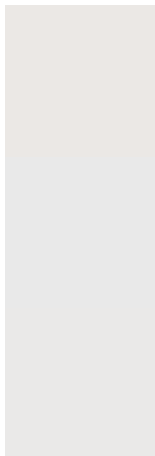
Deuteranomaly

81.1564, 0.3253, 0.3270

Tritanomaly

80.8894, 0.3112, 0.3188

Monochromacy



Original Color

81.0325, 0.3167, 0.3321

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.5964, 0.3140, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.0325, 0.3167, 0.3321 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, 232, 229)` looks like.

```
.text, #text, p{  
    color:rgb(235, 232, 229)  
}
```

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, 232, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 232, 229) }
```

Border

The CSS property to change the border of an element to Yxy 81.0325, 0.3167, 0.3321 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, 232, 229) }
```

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

```
.border{ border-color:rgb(235, 232, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 232, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 232, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 232, 229);  
box-shadow:4px 4px 4px 4px rgb(235, 232,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 81.0325, 0.3167, 0.3321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 232, 229) }
```

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

```
.background{ background-color: rgb(235,  
232, 229) }
```

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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