

Converting Colors

$Y_{xy}(81.5055, 0.3155, 0.3335)$

Have a look what the booklet for
Yxy(81.5055, 0.3155, 0.3335)
contains.

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Color

Yxy(81.2586, 0.3152, 0.3332)

Conversions

Conversions Part 1

Format	Color
Hex	E9E9E5
RGB	233, 233, 229
RGB Percent	91%, 91%, 90%
CMY	0.0865, 0.0862, 0.1020
CMYK	0.00, 0.00, 0.02, 0.09
HSL	61°, 8%, 91%
HSV	61°, 2%, 91%
XYZ	76.8689, 81.2586, 85.7459
YIQ	232.5440, 1.2840, -1.2440

Conversions

Conversions Part 2

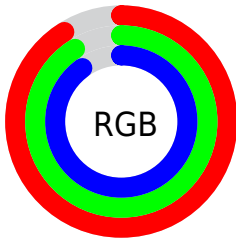
Format	Color
R _Y B	229, 233, 229
Decimal	15329765
CIE Lab	92.25, -0.74, 1.94
CIE LCh	92, 2.075, 110.776
Yxy	81.2586, 0.3152, 0.3332
Android (android.graphics.Color)	4293519845 (0xFFE9E9E5)
YUV	232.5440, -1.7472, 0.3999
Hunter-Lab	90.1436, -5.5374, 6.7030

Details

The Yxy color **81.2586, 0.3152, 0.3332** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **78.5809, 0.3102, 0.3248**, and the grayscale version is **81.1330, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.8474, 0.3152, 0.3330** is the 20% darker color. If you saturate the color by 10%, you get **79.9643, 0.3298, 0.3580**, and if you desaturate by 10%, it is **82.7349, 0.3012, 0.3095**.

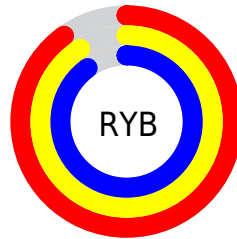
Distribution



Red (91%)

Green (91%)

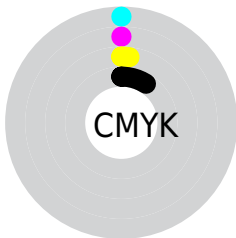
Blue (90%)



Red (90%)

Yellow (91%)

Blue (90%)

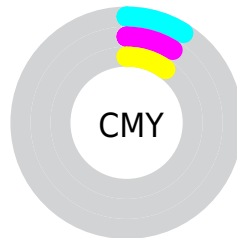


Cyan (0%)

Magenta (0%)

Yellow (2%)

Black (9%)



Cyan (9%)

Magenta (9%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.2586, 0.3152, 0.3332 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 81.2586, 0.3152, 0.3332 by changing the saturation by 10% instead.

■ 81.2586, 0.3152,
0.3332

■ 81.2586, 0.3152,
0.3332

499.1643, 0.3141,
0.3313

■ 60.7546, 0.3155,
0.3336

135.1338, 0.3148,
0.3325

■ 44.0272, 0.3158,
0.3342

169.2738, 0.3147,
0.3323

■ 30.6919, 0.3161,
0.3348

208.7280, 0.3145,
0.3321

■ 20.3643, 0.3166,
0.3357

253.8806, 0.3144,
0.3319

■ 12.6601, 0.3173,
0.3368

305.1162, 0.3143,
0.3317

■ 7.1949, 0.3183,
0.3384

362.8191, 0.3142,

■ 3.5843, 0.3197,

0.3316

0.3409

427.3737, 0.3141,
0.3314

■ 1.4439, 0.3222,
0.3452

■ 0.2487, 0.3627,
0.4129

■ 81.2586, 0.3152,
0.3332

■ 81.2586, 0.3152,
0.3332

■ 79.9643, 0.3298,
0.3580

■ 82.7349, 0.3012,
0.3095

■ 78.8344, 0.3447,
0.3833

■ 82.9916, 0.2999,
0.3069


■ 77.8653, 0.3594,
0.4085


■ 83.0746, 0.3002,
0.3069


■ 77.0489, 0.3734,
0.4325


■ 83.1579, 0.3005,
0.3069


 76.3767, 0.3861,
0.4545

 83.2415, 0.3008,
0.3069

 75.8392, 0.3969,
0.4734


 83.3253, 0.3012,
0.3070


 75.4259, 0.4054,
0.4884

 83.4093, 0.3015,
0.3070

 75.1246, 0.4113,
0.4992

 83.4935, 0.3018,
0.3070

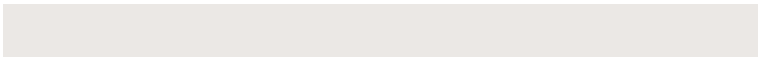
 74.9207, 0.4145,
0.5055

 83.5780, 0.3021,
0.3070

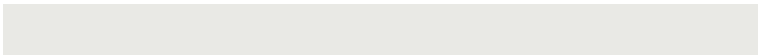
Harmonies

Analogous

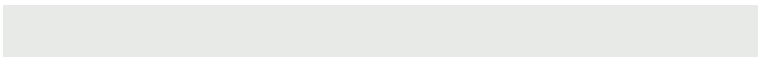
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.2586, 0.3169, 0.3327



81.2586, 0.3152, 0.3332



81.2586, 0.3129, 0.3326

Triad

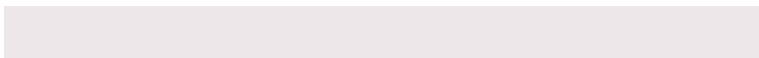
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.2586, 0.3152, 0.3332



81.2586, 0.3080, 0.3268



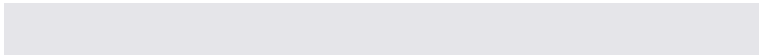
81.2586, 0.3150, 0.3270

Complementary

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



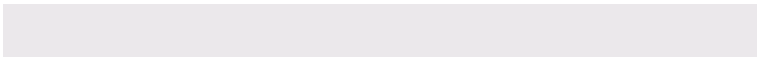
81.2586, 0.3152, 0.3332



78.5809, 0.3102, 0.3248

Split Complementary

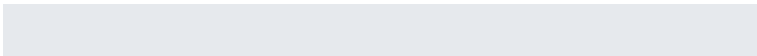
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.2586, 0.3126, 0.3255



81.2586, 0.3152, 0.3332



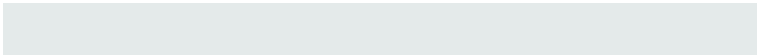
81.2586, 0.3086, 0.3254

Square

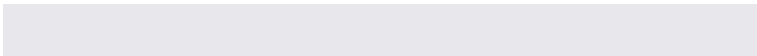
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



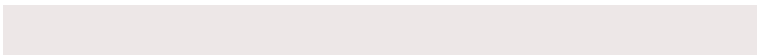
81.2586, 0.3152, 0.3332



81.2586, 0.3087, 0.3289



81.2586, 0.3102, 0.3249



81.2586, 0.3167, 0.3291

Rectangle

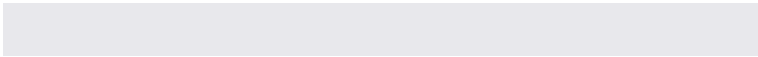
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.2586, 0.3152, 0.3332



81.2586, 0.3112, 0.3316



81.2586, 0.3102, 0.3249



81.2586, 0.3142, 0.3264

Sweetspot

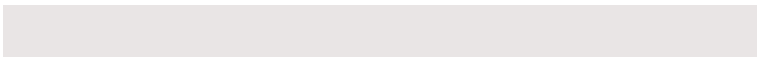
The Sweet Spot groups the original color and five complimentary colors.



81.2621, 0.3152, 0.3332



99.8267, 0.3142, 0.3314



79.0488, 0.3155, 0.3291



21.3688, 0.3141, 0.3313



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

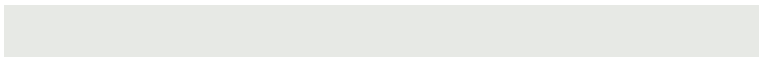
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.2621, 0.3152, 0.3332



99.6555, 0.3156, 0.3339



80.9266, 0.3138, 0.3332



17.8286, 0.3154, 0.3336



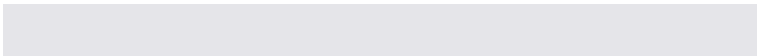
42.4434, 0.4157, 0.5081



3.3380, 0.4162, 0.5077

Inverse Universe

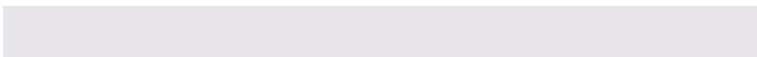
The Inverse Universe completely reimagines the original color for something new.



78.5809, 0.3102, 0.3248



95.8544, 0.3098, 0.3241



78.9128, 0.3116, 0.3248



17.1875, 0.3100, 0.3244



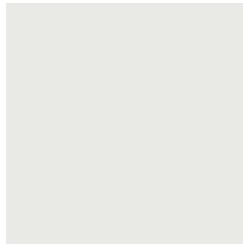
3.3628, 0.1507, 0.0604



0.2694, 0.1525, 0.0614

Previews

White Background



This preview shows how the Yxy color 81.2586, 0.3152, 0.3332 looks on a white background.

Color Contrast Check

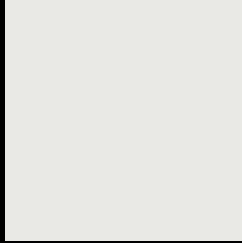
Large Text (above 18pt) WCAG AA × Fail

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 81.2586, 0.3152, 0.3332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

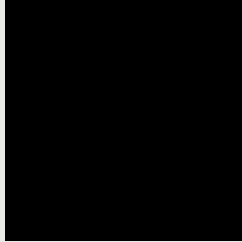
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

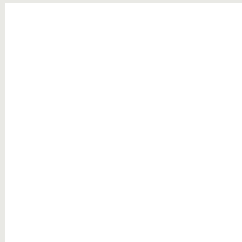
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.2586, 0.3152, 0.3332

Background



This preview shows how black text looks on a background with the Yxy color 81.2586, 0.3152, 0.3332.

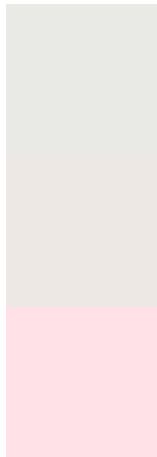


This preview shows how white text looks on a background with the Yxy color 81.2586, 0.3152, 0.3332.

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

81.2586, 0.3152, 0.3332

Protanopia

81.4918, 0.3193, 0.3331

Deuteranopia

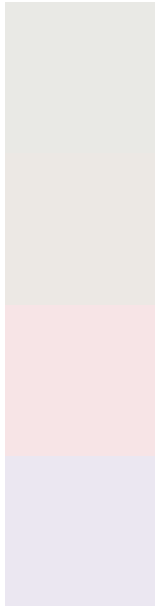
80.8799, 0.3299, 0.3231



Tritanopia

81.2038, 0.3055, 0.3108

Trichromacy



Original Color

81.2586, 0.3152, 0.3332

Protanomaly

81.1475, 0.3180, 0.3331

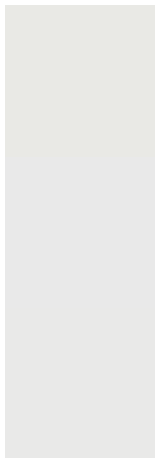
Deuteranomaly

80.9741, 0.3246, 0.3270

Tritanomaly

81.1649, 0.3091, 0.3188

Monochromacy



Original Color

81.2586, 0.3152, 0.3332

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.4277, 0.3133, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.2586, 0.3152, 0.3332 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, 229)` looks like.

```
.text, #text, p{  
    color:rgb(233, 233, 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(233, 233, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 233, 229) }
```

Border

The CSS property to change the border of an element to Yxy 81.2586, 0.3152, 0.3332 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, 229) }
```

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

```
.border{ border-color:rgb(233, 233, 229) }
```

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, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 233, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 233, 229);  
box-shadow:4px 4px 4px 4px rgb(233, 233,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 81.2586, 0.3152, 0.3332 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, 229) }
```

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

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