

Converting Colors

$Yxy(78.4871, 0.3168, 0.3353)$

Have a look what the booklet for
Yxy(78.4871, 0.3168, 0.3353)
contains.

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Color

Yxy(78.7984, 0.3165, 0.3353)

Conversions

Conversions Part 1

Format	Color
Hex	E6E6E0
RGB	230, 230, 224
RGB Percent	90%, 90%, 88%
CMY	0.0982, 0.0980, 0.1215
CMYK	0.00, 0.00, 0.03, 0.10
HSL	60°, 11%, 89%
HSV	60°, 3%, 90%
XYZ	74.3802, 78.7984, 81.8300
YIQ	229.3160, 1.9260, -1.8660

Conversions

Conversions Part 2

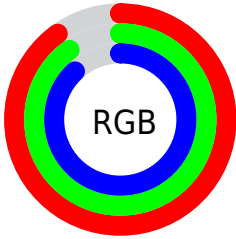
Format	Color
RYB	224, 230, 224
Decimal	15132384
CIELab	91.14, -1.06, 2.89
CIELCh	91, 3.082, 110.151
Yxy	78.7984, 0.3165, 0.3353
Android (android.graphics.Color)	4293322464 (0xFFE6E6E0)
YUV	229.3160, -2.6208, 0.5999
Hunter-Lab	88.7685, -5.7774, 7.4822

Details

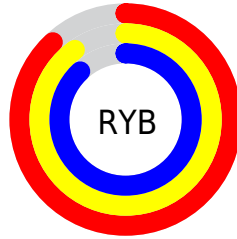
The Yxy color **78.7984, 0.3165, 0.3353** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **74.8994, 0.3089, 0.3226**, and the grayscale version is **78.6183, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.6385, 0.3177, 0.3372** is the 20% darker color. If you saturate the color by 10%, you get **77.6109, 0.3314, 0.3601**, and if you desaturate by 10%, it is **80.1616, 0.3022, 0.3115**.

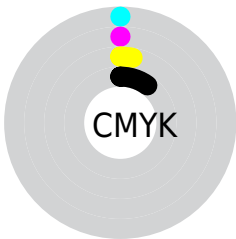
Distribution



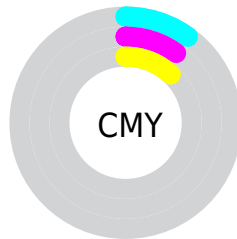
- Red (90%)
- Green (90%)
- Blue (88%)



- Red (88%)
- Yellow (90%)
- Blue (88%)



- Cyan (0%)
- Magenta (0%)
- Yellow (3%)
- Black (10%)



- Cyan (10%)
- Magenta (10%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.7984, 0.3165, 0.3353 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 78.7984, 0.3165, 0.3353 by changing the saturation by 10% instead.

■ 78.7984, 0.3165,
0.3353

■ 78.7984, 0.3165,
0.3353

490.8741, 0.3148,
0.3324

■ 58.7301, 0.3169,
0.3359

131.6750, 0.3159,
0.3343

■ 42.3959, 0.3174,
0.3367

165.2521, 0.3157,
0.3339

■ 29.4114, 0.3180,
0.3378

204.1009, 0.3155,
0.3336

■ 19.3922, 0.3187,
0.3391

248.6057, 0.3153,
0.3333

■ 11.9540, 0.3198,
0.3408

299.1511, 0.3151,
0.3330

■ 6.7124, 0.3213,
0.3434

356.1213, 0.3150,

■ 3.2829, 0.3236,

0.3328

0.3473

419.9009, 0.3149,
0.3326

■ 1.2811, 0.3275,
0.3541

■ 0.1265, 0.4272,
0.5728

■ 78.7984, 0.3165,
0.3353

■ 78.7984, 0.3165,
0.3353

■ 77.6109, 0.3314,
0.3601

■ 80.1616, 0.3022,
0.3115

■ 76.5820, 0.3465,
0.3854

■ 80.6903, 0.2975,
0.3036


■ 75.7082, 0.3614,
0.4103


■ 80.7163, 0.2976,
0.3036

■ 74.9815, 0.3756,
0.4340

■ 80.7423, 0.2977,
0.3036

 74.3937, 0.3884,
0.4555


 80.7683, 0.2978,
0.3036


 73.9355, 0.3993,
0.4738

 80.7944, 0.2979,
0.3036

 73.5966, 0.4078,
0.4882

 80.8204, 0.2980,
0.3036

 73.3651, 0.4137,
0.4983

 80.8465, 0.2981,
0.3036

 73.2266, 0.4170,
0.5041

 80.8727, 0.2982,
0.3037

Harmonies

Analogous

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



78.7984, 0.3190, 0.3345



78.7984, 0.3165, 0.3353



78.7984, 0.3130, 0.3344

Triad

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



78.7984, 0.3165, 0.3353



78.7984, 0.3057, 0.3258



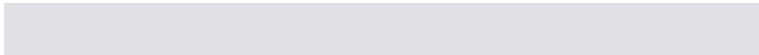
78.7984, 0.3160, 0.3260

Complementary

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



78.7984, 0.3165, 0.3353



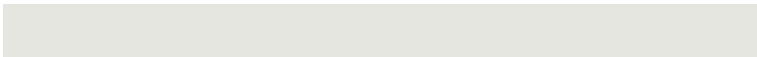
74.8994, 0.3089, 0.3226

Split Complementary

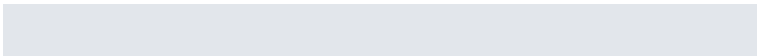
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.7984, 0.3124, 0.3237



78.7984, 0.3165, 0.3353



78.7984, 0.3065, 0.3236

Square

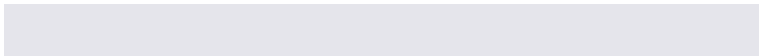
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



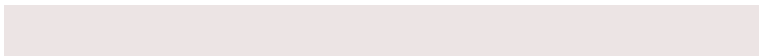
78.7984, 0.3165, 0.3353



78.7984, 0.3068, 0.3289



78.7984, 0.3089, 0.3228



78.7984, 0.3187, 0.3291

Rectangle

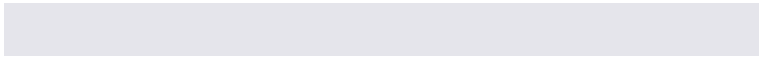
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.7984, 0.3165, 0.3353



78.7984, 0.3106, 0.3330



78.7984, 0.3089, 0.3228



78.7984, 0.3149, 0.3251

Sweetspot

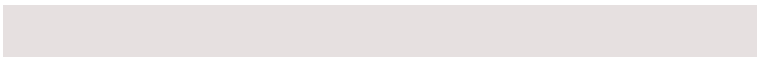
The Sweet Spot groups the original color and five complimentary colors.



78.8018, 0.3165, 0.3353



99.8335, 0.3142, 0.3314



75.5354, 0.3169, 0.3290



21.3702, 0.3141, 0.3313



0.0000, 0.0000, 0.0000



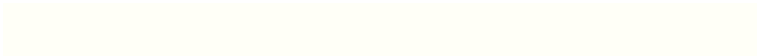
21.4041, 0.3127, 0.3290

Same Dimension

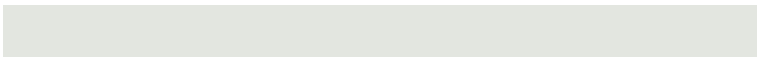
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.8018, 0.3165, 0.3353



99.5071, 0.3171, 0.3363



78.3178, 0.3145, 0.3353



16.9596, 0.3182, 0.3382



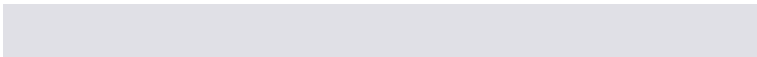
41.4206, 0.4181, 0.5062



3.0625, 0.4183, 0.5060

Inverse Universe

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



74.8994, 0.3089, 0.3226



93.8031, 0.3083, 0.3216



75.3751, 0.3109, 0.3227



15.7458, 0.3071, 0.3196



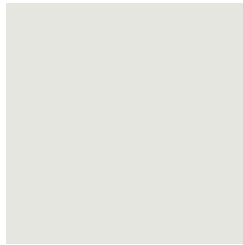
3.2423, 0.1502, 0.0601



0.2413, 0.1509, 0.0605

Previews

White Background



This preview shows how the Yxy color 78.7984, 0.3165, 0.3353 looks on a white background.

Color Contrast Check

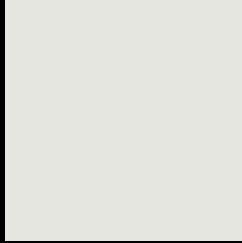
Large Text (above 18pt) WCAG AA × Fail

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 78.7984, 0.3165, 0.3353 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

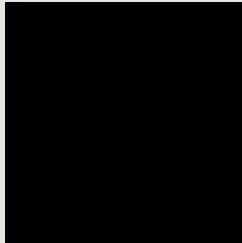
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

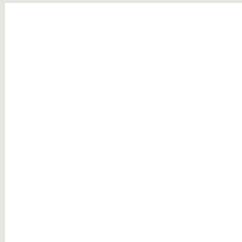
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.7984, 0.3165, 0.3353

Background



This preview shows how black text looks on a background with the Yxy color 78.7984, 0.3165, 0.3353.

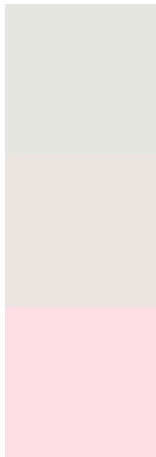


This preview shows how white text looks on a background with the Yxy color 78.7984, 0.3165, 0.3353.

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

78.7984, 0.3165, 0.3353

Protanopia

78.4767, 0.3208, 0.3342

Deuteranopia

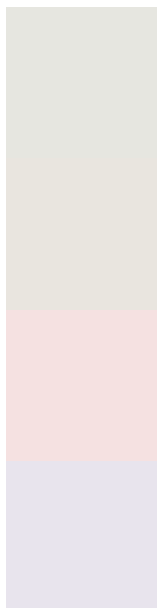
78.6162, 0.3322, 0.3250



Tritanopia

78.8544, 0.3054, 0.3105

Trichromacy



Original Color

78.7984, 0.3165, 0.3353

Protanomaly

78.6900, 0.3193, 0.3353

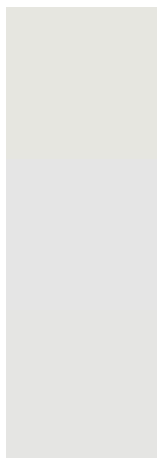
Deuteranomaly

78.6991, 0.3268, 0.3290

Tritanomaly

78.7570, 0.3097, 0.3197

Monochromacy



Original Color

78.7984, 0.3165, 0.3353

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.2427, 0.3140, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.7984, 0.3165, 0.3353 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(230, 230, 224)` looks like.

```
.text, #text, p{  
    color:rgb(230, 230, 224)  
}
```

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(230, 230, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 230, 224) }
```

Border

The CSS property to change the border of an element to Yxy 78.7984, 0.3165, 0.3353 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(230, 230, 224) }
```

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

```
.border{ border-color:rgb(230, 230, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 230, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 230, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 230, 224);  
box-shadow:4px 4px 4px 4px rgb(230, 230,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 78.7984, 0.3165, 0.3353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 230, 224) }
```

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

```
.background{ background-color: rgb(230,  
230, 224) }
```

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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