

Converting Colors

$Yxy(77.3680, 0.3168, 0.3353)$

Have a look what the booklet for
Yxy(77.3680, 0.3168, 0.3353)
contains.

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Color

Yxy(77.2547, 0.3166, 0.3354)

Conversions

Conversions Part 1

Format	Color
Hex	E4E4DE
RGB	228, 228, 222
RGB Percent	89%, 89%, 87%
CMY	0.1058, 0.1059, 0.1295
CMYK	0.00, 0.00, 0.03, 0.11
HSL	60°, 10%, 88%
HSV	60°, 3%, 89%
XYZ	72.9244, 77.2547, 80.1569
YIQ	227.3160, 1.9260, -1.8660

Conversions

Conversions Part 2

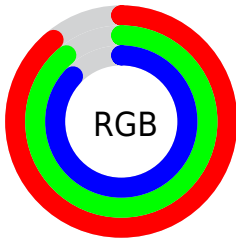
Format	Color
R _Y B	222, 228, 222
Decimal	15000798
CIE Lab	90.44, -1.05, 2.93
CIE LCh	90, 3.110, 109.770
Yxy	77.2547, 0.3166, 0.3354
Android (android.graphics.Color)	4293190878 (0xFFE4E4DE)
YUV	227.3160, -2.6208, 0.5999
Hunter-Lab	87.8947, -5.7179, 7.4558

Details

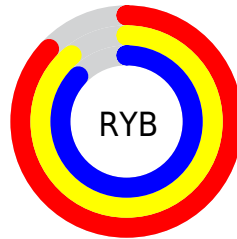
The Yxy color `77.2547, 0.3166, 0.3354` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `73.3661, 0.3088, 0.3225`, and the grayscale version is `77.0790, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `41.5614, 0.3177, 0.3373` is the 20% darker color. If you saturate the color by 10%, you get `76.0843, 0.3316, 0.3601`, and if you desaturate by 10%, it is `78.5972, 0.3022, 0.3117`.

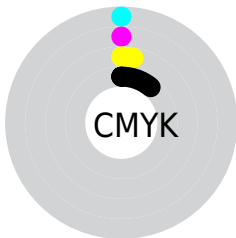
Distribution



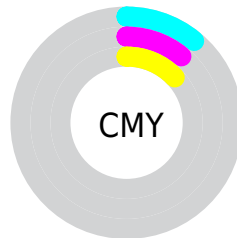
- Red (89%)
- Green (89%)
- Blue (87%)



- Red (87%)
- Yellow (89%)
- Blue (87%)



- Cyan (0%)
- Magenta (0%)
- Yellow (3%)
- Black (11%)



- Cyan (11%)
- Magenta (11%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.2547, 0.3166, 0.3354 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 77.2547, 0.3166, 0.3354 by changing the saturation by 10% instead.

■ 77.2547, 0.3166,
0.3354

■ 77.2547, 0.3166,
0.3354

485.6320, 0.3148,
0.3325

■ 57.4619, 0.3170,
0.3361

129.4990, 0.3160,
0.3344

■ 41.3762, 0.3175,
0.3369

162.7192, 0.3157,
0.3340

■ 28.6132, 0.3181,
0.3379

201.1842, 0.3155,
0.3337

■ 18.7884, 0.3189,
0.3393

245.2781, 0.3154,
0.3334

■ 11.5175, 0.3200,
0.3411

295.3855, 0.3152,
0.3331

■ 6.4160, 0.3216,
0.3437

351.8906, 0.3151,

■ 3.0997, 0.3240,

0.3329

0.3478

415.1780, 0.3149,
0.3327

■ 1.1840, 0.3282,
0.3550

■ 0.0486, 0.2967,
0.7033

■ 77.2547, 0.3166,
0.3354

■ 77.2547, 0.3166,
0.3354

■ 76.0843, 0.3316,
0.3601

■ 78.5972, 0.3022,
0.3117

■ 75.0693, 0.3469,
0.3853


■ 79.2710, 0.2960,
0.3015

■ 74.2060, 0.3619,
0.4101

■ 79.3037, 0.2960,
0.3016

■ 73.4869, 0.3763,
0.4336


■ 79.3365, 0.2960,
0.3016

 72.9038, 0.3892,
0.4550

 79.3693, 0.2960,
0.3017


 72.4476, 0.4003,
0.4731


 79.4022, 0.2960,
0.3018

 72.1082, 0.4090,
0.4874

 79.4350, 0.2960,
0.3018

 71.8740, 0.4150,
0.4972

 79.4678, 0.2960,
0.3019

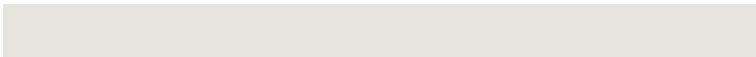
 71.7308, 0.4185,
0.5029

 79.5007, 0.2960,
0.3020

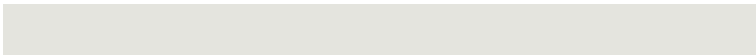
Harmonies

Analogous

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



77.2547, 0.3191, 0.3345



77.2547, 0.3166, 0.3354



77.2547, 0.3131, 0.3345

Triad

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



77.2547, 0.3166, 0.3354



77.2547, 0.3056, 0.3258



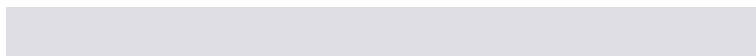
77.2547, 0.3160, 0.3259

Complementary

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



77.2547, 0.3166, 0.3354



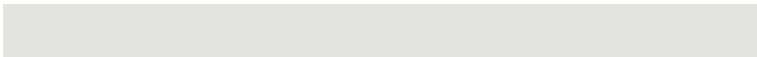
73.3661, 0.3088, 0.3225

Split Complementary

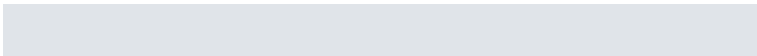
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.2547, 0.3124, 0.3236



77.2547, 0.3166, 0.3354



77.2547, 0.3064, 0.3235

Square

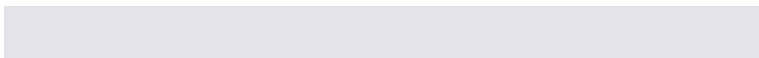
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



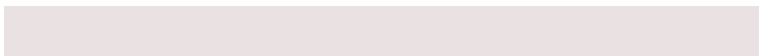
77.2547, 0.3166, 0.3354



77.2547, 0.3067, 0.3289



77.2547, 0.3088, 0.3227



77.2547, 0.3188, 0.3291

Rectangle

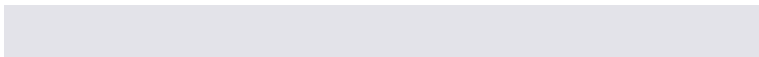
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.2547, 0.3166, 0.3354



77.2547, 0.3106, 0.3331



77.2547, 0.3088, 0.3227



77.2547, 0.3148, 0.3250

Sweetspot

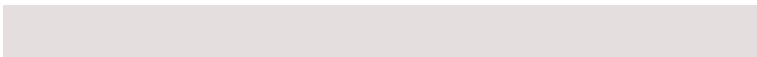
The Sweet Spot groups the original color and five complimentary colors.



77.2580, 0.3166, 0.3354



99.8326, 0.3142, 0.3314



74.0045, 0.3169, 0.3289



21.3700, 0.3141, 0.3313



0.0000, 0.0000, 0.0000



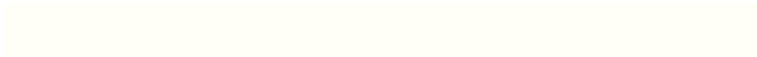
21.4041, 0.3127, 0.3290

Same Dimension

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



77.2580, 0.3166, 0.3354



99.5043, 0.3171, 0.3363



76.7930, 0.3146, 0.3355



16.9590, 0.3183, 0.3382



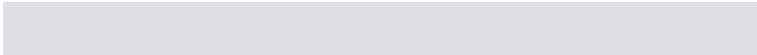
41.3785, 0.4198, 0.5049



3.0598, 0.4197, 0.5050

Inverse Universe

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



73.3661, 0.3088, 0.3225



93.8059, 0.3082, 0.3216



73.8229, 0.3108, 0.3225



15.7463, 0.3071, 0.3197



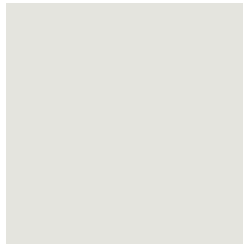
3.2446, 0.1501, 0.0602



0.2419, 0.1502, 0.0607

Previews

White Background



This preview shows how the Yxy color 77.2547, 0.3166, 0.3354 looks on a white background.

Color Contrast Check

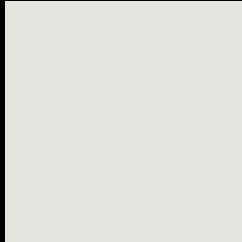
Large Text (above 18pt) WCAG AA × Fail

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 77.2547, 0.3166, 0.3354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

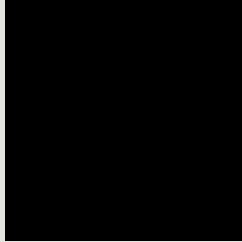
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

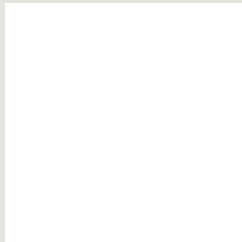
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.2547, 0.3166, 0.3354

Background



This preview shows how black text looks on a background with the Yxy color 77.2547, 0.3166, 0.3354.

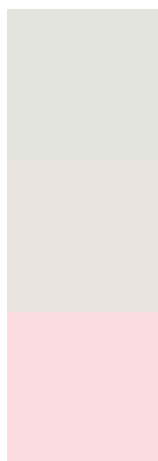


This preview shows how white text looks on a background with the Yxy color 77.2547, 0.3166, 0.3354.

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

77.2547, 0.3166, 0.3354

Protanopia

76.9368, 0.3209, 0.3343

Deuteranopia

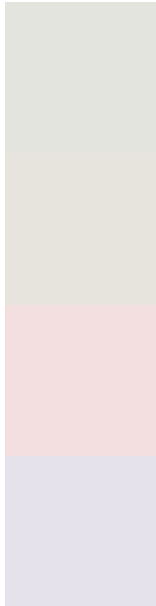
77.0774, 0.3324, 0.3250



Tritanopia

77.3104, 0.3054, 0.3104

Trichromacy



Original Color

77.2547, 0.3166, 0.3354

Protanomaly

77.1476, 0.3194, 0.3354

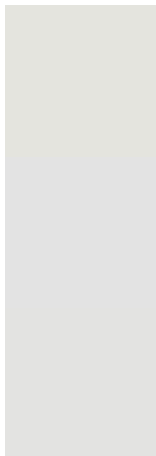
Deuteranomaly

77.1578, 0.3270, 0.3290

Tritanomaly

77.2139, 0.3097, 0.3196

Monochromacy



Original Color

77.2547, 0.3166, 0.3354

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

76.7053, 0.3140, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.2547, 0.3166, 0.3354 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(228, 228, 222)` looks like.

```
.text, #text, p{  
    color:rgb(228, 228, 222)  
}
```

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(228, 228, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 228, 222) }
```

Border

The CSS property to change the border of an element to Yxy 77.2547, 0.3166, 0.3354 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(228, 228, 222) }
```

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

```
.border{ border-color:rgb(228, 228, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 228, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 228, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 228, 222);  
box-shadow:4px 4px 4px 4px rgb(228, 228,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 77.2547, 0.3166, 0.3354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 228, 222) }
```

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

```
.background{ background-color: rgb(228,  
228, 222) }
```

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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