

Converting Colors

$Yxy(76.7031, 0.3144, 0.3351)$

Have a look what the booklet for
Yxy(76.7031, 0.3144, 0.3351)
contains.

Yxy(76.7683, 0.3145, 0.3354)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(76.7683, 0.3145, 0.3354)

Conversions

Conversions Part 1

Format	Color
Hex	E1E4DE
RGB	225, 228, 222
RGB Percent	88%, 89%, 87%
CMY	0.1176, 0.1059, 0.1294
CMYK	0.01, 0.00, 0.03, 0.11
HSL	90°, 10%, 88%
HSV	90°, 3%, 89%
XYZ	71.9846, 76.7683, 80.1329
YIQ	226.4190, 0.1380, -2.5020

Conversions

Conversions Part 2

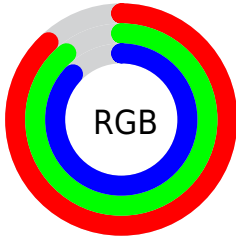
Format	Color
RYB	222, 228, 225
Decimal	14804190
CIELab	90.21, -2.06, 2.56
CIElCh	90, 3.286, 128.864
Yxy	76.7683, 0.3145, 0.3354
Android (android.graphics.Color)	4292994270 (0xFFE1E4DE)
YUV	226.4190, -2.1786, -1.2445
Hunter-Lab	87.6175, -6.6791, 7.1070

Details

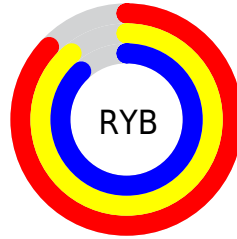
The Yxy color **76.7683, 0.3145, 0.3354** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.8509, 0.3109, 0.3226**, and the grayscale version is **76.3925, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.2232, 0.3150, 0.3373** is the 20% darker color. If you saturate the color by 10%, you get **73.8702, 0.3213, 0.3612**, and if you desaturate by 10%, it is **79.9591, 0.3078, 0.3119**.

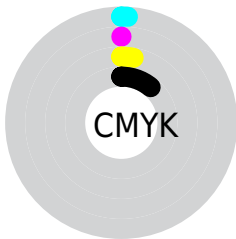
Distribution



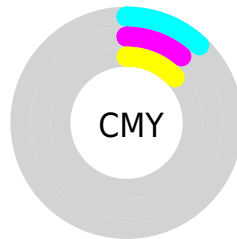
- Red (88%)
- Green (89%)
- Blue (87%)



- Red (87%)
- Yellow (89%)
- Blue (88%)



- Cyan (1%)
- Magenta (0%)
- Yellow (3%)
- Black (11%)



- Cyan (12%)
- Magenta (11%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.7683, 0.3145, 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 76.7683, 0.3145, 0.3354 by changing the saturation by 10% instead.

■ 76.7683, 0.3145,
0.3354

■ 76.7683, 0.3145,
0.3354

483.9737, 0.3137,
0.3325

■ 57.0627, 0.3147,
0.3361

128.8124, 0.3142,
0.3344

■ 41.0556, 0.3149,
0.3369

161.9196, 0.3141,
0.3340

■ 28.3625, 0.3152,
0.3379

200.2629, 0.3140,
0.3336

■ 18.5991, 0.3156,
0.3393

244.2267, 0.3139,
0.3333

■ 11.3810, 0.3160,
0.3411

294.1952, 0.3139,
0.3331

■ 6.3237, 0.3167,
0.3438

350.5530, 0.3138,

■ 3.0429, 0.3178,

0.3329

0.3480

413.6843, 0.3137,
0.3326

■ 1.1542, 0.3197,
0.3554

■ 0.0238, 0.0000,
1.0000

■ 76.7683, 0.3145,
0.3354

■ 76.7683, 0.3145,
0.3354

■ 73.8702, 0.3213,
0.3612

■ 79.9591, 0.3078,
0.3119

■ 71.2459, 0.3279,
0.3889

■ 82.6024, 0.3090,
0.3025

■ 68.8893, 0.3341,
0.4182

■ 83.9664, 0.3139,
0.3029

■ 66.7904, 0.3395,
0.4482

■ 64.9384, 0.3436,
0.4779

■ 63.3217, 0.3459,
0.5057

■ 61.9273, 0.3462,
0.5302

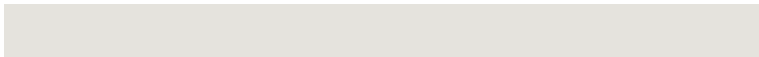
■ 60.7409, 0.3442,
0.5499

■ 59.7452, 0.3401,
0.5640

Harmonies

Analogous

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



76.7683, 0.3180, 0.3357



76.7683, 0.3145, 0.3354



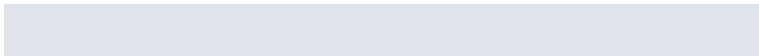
76.7683, 0.3106, 0.3334

Triad

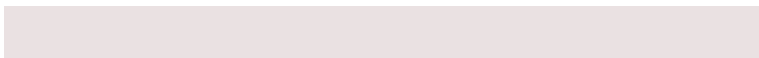
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.7683, 0.3145, 0.3354



76.7683, 0.3055, 0.3239



76.7683, 0.3182, 0.3278

Complementary

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



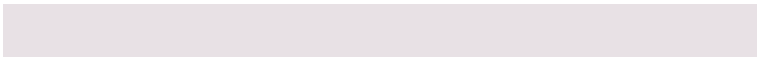
76.7683, 0.3145, 0.3354



73.8509, 0.3109, 0.3226

Split Complementary

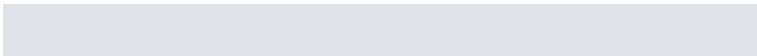
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.7683, 0.3149, 0.3247



76.7683, 0.3145, 0.3354



76.7683, 0.3075, 0.3224

Square

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



76.7683, 0.3145, 0.3354



76.7683, 0.3054, 0.3267



76.7683, 0.3109, 0.3227



76.7683, 0.3201, 0.3312

Rectangle

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



76.7683, 0.3145, 0.3354



76.7683, 0.3082, 0.3314



76.7683, 0.3109, 0.3227



76.7683, 0.3172, 0.3267

Sweetspot

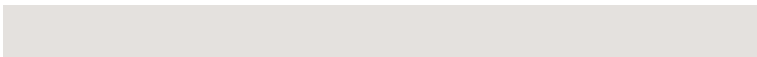
The Sweet Spot groups the original color and five complimentary colors.



76.7716, 0.3145, 0.3354



99.5974, 0.3134, 0.3314



75.5654, 0.3168, 0.3321



21.3222, 0.3134, 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.



76.7716, 0.3145, 0.3354



98.8035, 0.3148, 0.3364



76.3066, 0.3125, 0.3354



16.8095, 0.3153, 0.3383



34.2061, 0.3372, 0.5704



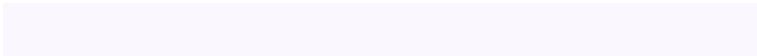
2.5830, 0.3483, 0.5617

Inverse Universe

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



73.8509, 0.3109, 0.3226



94.4928, 0.3106, 0.3216



74.3238, 0.3129, 0.3226



15.8921, 0.3101, 0.3197



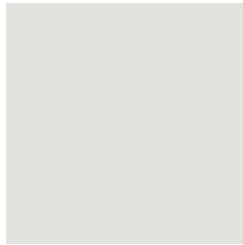
5.3412, 0.2019, 0.0886



0.4499, 0.2178, 0.0973

Previews

White Background



This preview shows how the Yxy color 76.7683, 0.3145, 0.3354 looks on a white background.

Color Contrast Check

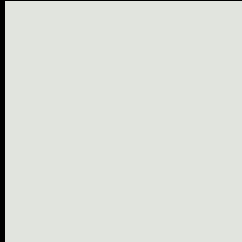
Large Text (above 18pt) WCAG AA × Fail

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 76.7683, 0.3145, 0.3354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

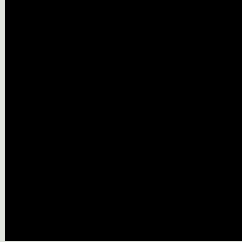
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

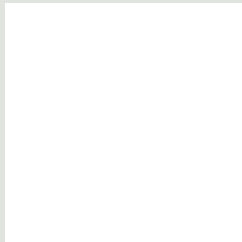
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.7683, 0.3145, 0.3354

Background



This preview shows how black text looks on a background with the Yxy color 76.7683, 0.3145, 0.3354.

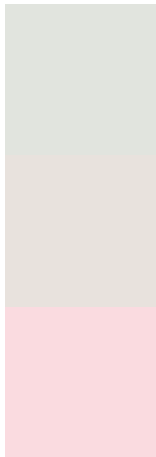


This preview shows how white text looks on a background with the Yxy color 76.7683, 0.3145, 0.3354.

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

76.7683, 0.3145, 0.3354

Protanopia

76.7690, 0.3202, 0.3343

Deuteranopia

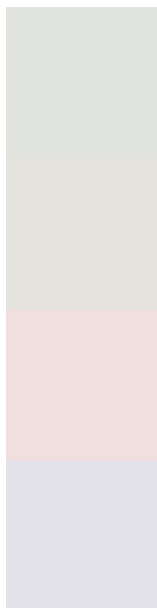
76.3688, 0.3318, 0.3240



Tritanopia

76.8155, 0.3033, 0.3103

Trichromacy



Original Color

76.7683, 0.3145, 0.3354

Protanomaly

76.8166, 0.3180, 0.3354

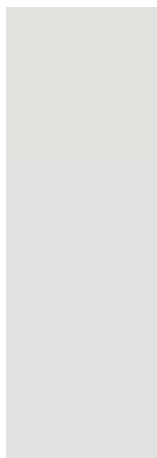
Deuteranomaly

76.2710, 0.3256, 0.3280

Tritanomaly

76.7218, 0.3077, 0.3195

Monochromacy



Original Color

76.7683, 0.3145, 0.3354

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

76.5432, 0.3133, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.7683, 0.3145, 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(225, 228, 222)` looks like.

```
.text, #text, p{  
    color:rgb(225, 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(225, 228, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 228, 222) }
```

Border

The CSS property to change the border of an element to Yxy 76.7683, 0.3145, 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(225, 228, 222) }
```

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

```
.border{ border-color:rgb(225, 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(225, 228, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 228, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 228, 222);  
box-shadow:4px 4px 4px 4px rgb(225, 228,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 76.7683, 0.3145, 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(225, 228, 222) }
```

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

```
.background{ background-color: rgb(225,  
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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