

Converting Colors

$Yxy(78.4397, 0.3172, 0.3373)$

Have a look what the booklet for
Yxy(78.4397, 0.3172, 0.3373)
contains.

Yxy(78.5256, 0.3171, 0.3375)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.5256, 0.3171, 0.3375)

Conversions

Conversions Part 1

Format	Color
Hex	E5E6DE
RGB	229, 230, 222
RGB Percent	90%, 90%, 87%
CMY	0.1022, 0.0979, 0.1295
CMYK	0.00, 0.00, 0.03, 0.10
HSL	68°, 14%, 89%
HSV	68°, 3%, 90%
XYZ	73.7792, 78.5256, 80.3637
YIQ	228.7890, 1.9720, -2.7000

Conversions

Conversions Part 2

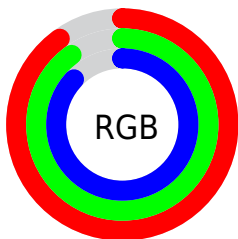
Format	Color
R _Y B	222, 230, 223
Decimal	15066846
CIE Lab	91.02, -1.77, 3.77
CIE LCh	91, 4.168, 115.168
Yxy	78.5256, 0.3171, 0.3375
Android (android.graphics.Color)	4293256926 (0xFFE5E6DE)
YUV	228.7890, -3.3470, 0.1850
Hunter-Lab	88.6147, -6.4594, 8.2608

Details

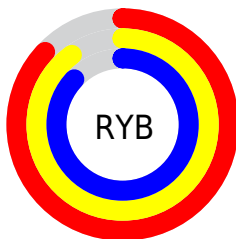
The Yxy color **78.5256, 0.3171, 0.3375** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.6474, 0.3082, 0.3204**, and the grayscale version is **78.2112, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.4486, 0.3184, 0.3400** is the 20% darker color. If you saturate the color by 10%, you get **76.8744, 0.3299, 0.3627**, and if you desaturate by 10%, it is **80.3609, 0.3047, 0.3137**.

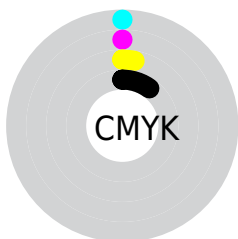
Distribution



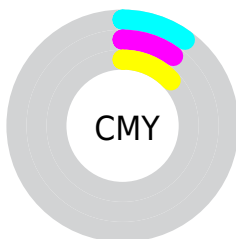
- Red (90%)
- Green (90%)
- Blue (87%)



- Red (87%)
- Yellow (90%)
- Blue (87%)



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



- Cyan (10%)
- Magenta (10%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.5256, 0.3171, 0.3375 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 78.5256, 0.3171, 0.3375 by changing the saturation by 10% instead.

■ 78.5256, 0.3171,
0.3375

■ 78.5256, 0.3171,
0.3375

489.9500, 0.3151,
0.3336

■ 58.5058, 0.3175,
0.3384

131.2908, 0.3164,
0.3362

■ 42.2155, 0.3181,
0.3395

164.8050, 0.3161,
0.3356

■ 29.2700, 0.3188,
0.3408

203.5862, 0.3159,
0.3352

■ 19.2852, 0.3197,
0.3426

248.0187, 0.3157,
0.3348

■ 11.8765, 0.3209,
0.3450

298.4869, 0.3155,
0.3344

■ 6.6597, 0.3226,
0.3485

355.3753, 0.3154,

■ 3.2502, 0.3252,

0.3341

419.0682, 0.3152,
0.3339

0.3538

1.2637, 0.3297,
0.3633

0.1128, 0.3618,
0.6382

78.5256, 0.3171,
0.3375

78.5256, 0.3171,
0.3375

76.8744, 0.3299,
0.3627

80.3609, 0.3047,
0.3137

75.3904, 0.3428,
0.3886

81.5115, 0.3007,
0.3039

74.0696, 0.3553,
0.4147

82.0430, 0.3027,
0.3040

72.9042, 0.3670,
0.4400

82.5837, 0.3047,
0.3042

71.8857, 0.3774,
0.4634

83.1337, 0.3068,
0.3043

71.0049, 0.3858,
0.4840

83.6929, 0.3088,
0.3045

70.2510, 0.3918,
0.5008

84.2615, 0.3109,
0.3046

69.6122, 0.3952,
0.5131

84.8395, 0.3130,
0.3048

69.0735, 0.3960,
0.5209

85.0872, 0.3138,
0.3049

Harmonies

Analogous

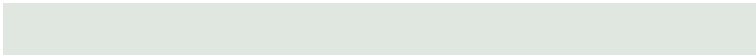
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.5256, 0.3208, 0.3367



78.5256, 0.3171, 0.3375



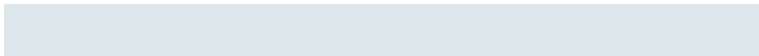
78.5256, 0.3123, 0.3359

Triad

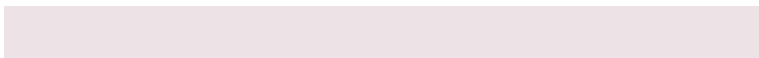
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.5256, 0.3171, 0.3375



78.5256, 0.3032, 0.3240



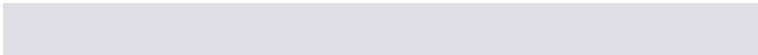
78.5256, 0.3179, 0.3256

Complementary

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



78.5256, 0.3171, 0.3375



73.6474, 0.3082, 0.3204

Split Complementary

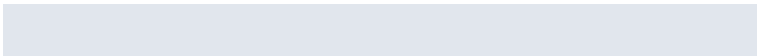
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.5256, 0.3131, 0.3222



78.5256, 0.3171, 0.3375



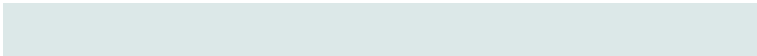
78.5256, 0.3047, 0.3213

Square

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



78.5256, 0.3171, 0.3375



78.5256, 0.3043, 0.3281



78.5256, 0.3083, 0.3207



78.5256, 0.3213, 0.3298

Rectangle

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



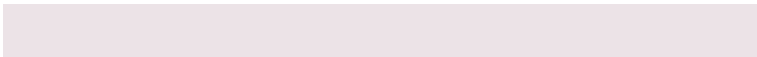
78.5256, 0.3171, 0.3375



78.5256, 0.3090, 0.3338



78.5256, 0.3083, 0.3207



78.5256, 0.3164, 0.3243

Sweetspot

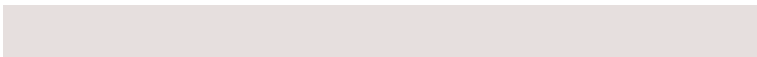
The Sweet Spot groups the original color and five complimentary colors.



78.5290, 0.3171, 0.3375



99.7719, 0.3140, 0.3314



74.9058, 0.3183, 0.3302



21.3577, 0.3139, 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.



78.5290, 0.3171, 0.3375



99.1011, 0.3178, 0.3388



77.8770, 0.3143, 0.3376



16.8849, 0.3187, 0.3405



38.9589, 0.3959, 0.5239



2.9063, 0.3995, 0.5210

Inverse Universe

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



73.6474, 0.3082, 0.3204



92.0277, 0.3076, 0.3191



74.2923, 0.3110, 0.3205



15.4732, 0.3066, 0.3173



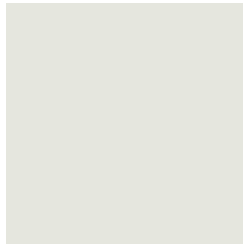
3.4287, 0.1553, 0.0629



0.2833, 0.1660, 0.0688

Previews

White Background



This preview shows how the Yxy color 78.5256, 0.3171, 0.3375 looks on a white background.

Color Contrast Check

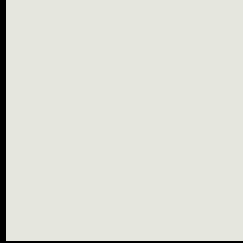
Large Text (above 18pt) WCAG AA × Fail

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 78.5256, 0.3171, 0.3375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

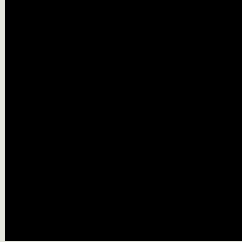
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

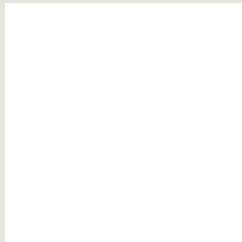
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.5256, 0.3171, 0.3375

Background



This preview shows how black text looks on a background with the Yxy color 78.5256, 0.3171, 0.3375.

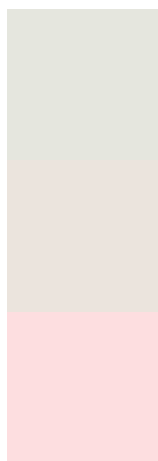


This preview shows how white text looks on a background with the Yxy color 78.5256, 0.3171, 0.3375.

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

78.5256, 0.3171, 0.3375

Protanopia

78.3694, 0.3221, 0.3363

Deuteranopia

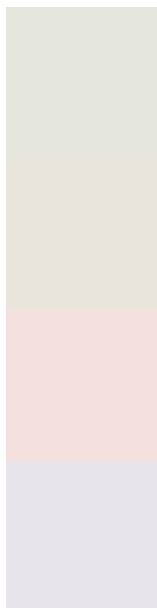
78.5070, 0.3336, 0.3271



Tritanopia

78.6256, 0.3054, 0.3115

Trichromacy



Original Color

78.5256, 0.3171, 0.3375

Protanomaly

78.5827, 0.3206, 0.3374

Deuteranomaly

78.4112, 0.3275, 0.3311

Tritanomaly

78.5319, 0.3097, 0.3207

Monochromacy



Original Color

78.5256, 0.3171, 0.3375

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.1876, 0.3146, 0.3322

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.5256, 0.3171, 0.3375 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(229, 230, 222)` looks like.

```
.text, #text, p{  
    color:rgb(229, 230, 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(229, 230, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 230, 222) }
```

Border

The CSS property to change the border of an element to Yxy 78.5256, 0.3171, 0.3375 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(229, 230, 222) }
```

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

```
.border{ border-color:rgb(229, 230, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 230, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 230, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 230, 222);  
box-shadow:4px 4px 4px 4px rgb(229, 230,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 78.5256, 0.3171, 0.3375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 230, 222) }
```

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

```
.background{ background-color: rgb(229,  
230, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor