

Converting Colors

$Y_{xy}(77.3972, 0.3123, 0.3376)$

Have a look what the booklet for
Yxy(77.3972, 0.3123, 0.3376)
contains.

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Color

Yxy(77.3972, 0.3123, 0.3376)

Conversions

Conversions Part 1

Format	Color
Hex	DEE6DE
RGB	222, 230, 222
RGB Percent	87%, 90%, 87%
CMY	0.1295, 0.0980, 0.1295
CMYK	0.03, 0.00, 0.03, 0.10
HSL	120°, 14%, 89%
HSV	120°, 3%, 90%
XYZ	71.5970, 77.3972, 80.2629
YIQ	226.6960, -2.2000, -4.1840

Conversions

Conversions Part 2

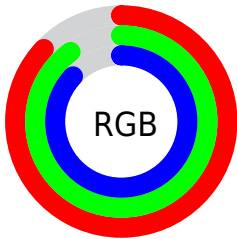
Format	Color
R _Y B	222, 230, 230
Decimal	14608094
CIE Lab	90.50, -4.13, 2.96
CIE LCh	91, 5.079, 144.361
Yxy	77.3972, 0.3123, 0.3376
Android (android.graphics.Color)	4292798174 (0xFFDEE6DE)
YUV	226.6960, -2.3151, -4.1184
Hunter-Lab	87.9757, -8.6893, 7.4909

Details

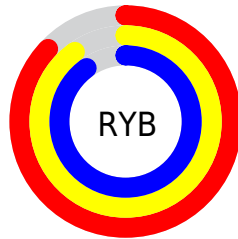
The Yxy color **77.3972, 0.3123, 0.3376** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **74.7648, 0.3131, 0.3205**, and the grayscale version is **76.6002, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.6655, 0.3122, 0.3401** is the 20% darker color. If you saturate the color by 10%, you get **72.8655, 0.3110, 0.3646**, and if you desaturate by 10%, it is **82.5985, 0.3134, 0.3141**.

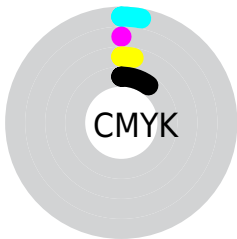
Distribution



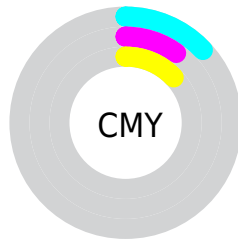
- Red (87%)
- Green (90%)
- Blue (87%)



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



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



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

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.3972, 0.3123, 0.3376 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 77.3972, 0.3123, 0.3376 by changing the saturation by 10% instead.

 77.3972, 0.3123,
0.3376

 77.3972, 0.3123,
0.3376

486.1172, 0.3125,
0.3336

 57.5789, 0.3123,
0.3385


129.7000, 0.3124,
0.3362

 41.4702, 0.3122,
0.3396


162.9534, 0.3124,
0.3357

 28.6867, 0.3121,
0.3410


201.4538, 0.3124,
0.3352

 18.8439, 0.3120,
0.3429

245.5859, 0.3124,
0.3348

 11.5576, 0.3118,
0.3454

295.7338, 0.3125,
0.3345

 6.4432, 0.3116,
0.3490

352.2821, 0.3125,

 3.1164, 0.3112,

0.3342

0.3546

415.6151, 0.3125,
0.3339

■ 1.1928, 0.3104,
0.3647

■ 0.0558, 0.0000,
1.0000

■ 77.3972, 0.3123,
0.3376

■ 77.3972, 0.3123,
0.3376

■ 72.8655, 0.3110,
0.3646

■ 82.5985, 0.3134,
0.3141

■ 68.9668, 0.3095,
0.3950

■ 85.0825, 0.3138,
0.3049

■ 65.6759, 0.3079,
0.4285

■ 62.9623, 0.3062,
0.4641

■ 60.7926, 0.3045,
0.5000

■ 59.1302, 0.3030,
0.5337

■ 57.9339, 0.3016,
0.5624

■ 57.1563, 0.3007,
0.5835

■ 56.7395, 0.3002,
0.5958

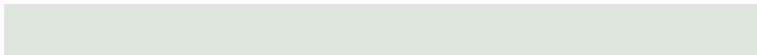
Harmonies

Analogous

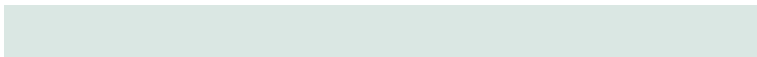
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.3972, 0.3182, 0.3394



77.3972, 0.3123, 0.3376



77.3972, 0.3065, 0.3334

Triad

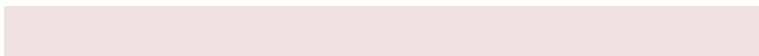
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.3972, 0.3123, 0.3376



77.3972, 0.3028, 0.3196



77.3972, 0.3231, 0.3299

Complementary

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



77.3972, 0.3123, 0.3376



74.7648, 0.3131, 0.3205

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.



77.3972, 0.3189, 0.3247



77.3972, 0.3123, 0.3376



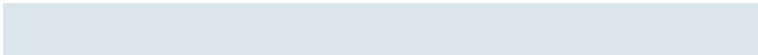
77.3972, 0.3072, 0.3188

Square

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



77.3972, 0.3123, 0.3376



77.3972, 0.3011, 0.3230



77.3972, 0.3131, 0.3206



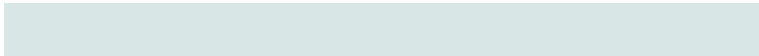
77.3972, 0.3245, 0.3349

Rectangle

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



77.3972, 0.3123, 0.3376



77.3972, 0.3035, 0.3299



77.3972, 0.3131, 0.3206



77.3972, 0.3220, 0.3281

Sweetspot

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



77.4005, 0.3123, 0.3376



99.3568, 0.3126, 0.3314



78.7005, 0.3179, 0.3375



21.2732, 0.3126, 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.



77.4005, 0.3123, 0.3376



97.4783, 0.3122, 0.3389



77.6178, 0.3098, 0.3333



16.5612, 0.3121, 0.3407



32.0410, 0.3000, 0.5998



2.3679, 0.2998, 0.5994

Inverse Universe

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



74.7648, 0.3131, 0.3205



93.6624, 0.3132, 0.3193



74.5424, 0.3158, 0.3248



15.7996, 0.3133, 0.3175



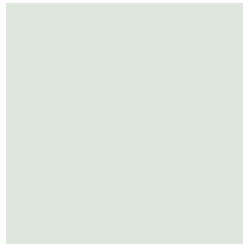
12.7423, 0.3215, 0.1545



0.9418, 0.3214, 0.1544

Previews

White Background



This preview shows how the Yxy color 77.3972, 0.3123, 0.3376 looks on a white background.

Color Contrast Check

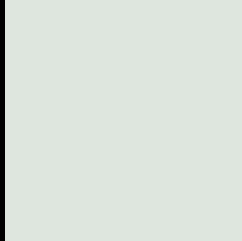
Large Text (above 18pt) WCAG AA × Fail

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 77.3972, 0.3123, 0.3376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

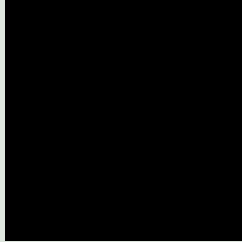
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

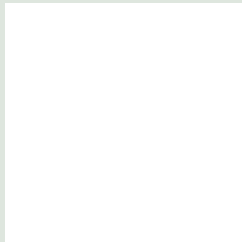
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.3972, 0.3123, 0.3376

Background



This preview shows how black text looks on a background with the Yxy color 77.3972, 0.3123, 0.3376.

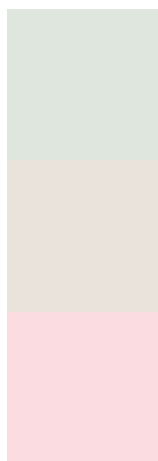


This preview shows how white text looks on a background with the Yxy color 77.3972, 0.3123, 0.3376.

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

77.3972, 0.3123, 0.3376

Protanopia

77.4291, 0.3215, 0.3364

Deuteranopia

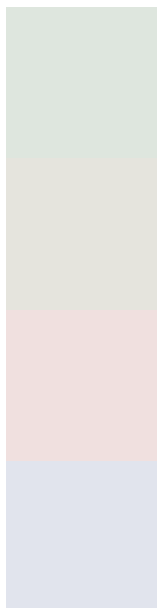
77.0774, 0.3324, 0.3250



Tritanopia

77.6995, 0.3007, 0.3103

Trichromacy



Original Color

77.3972, 0.3123, 0.3376

Protanomaly

77.3653, 0.3179, 0.3364

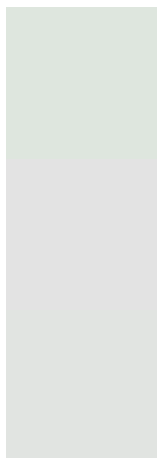
Deuteranomaly

77.1643, 0.3247, 0.3301

Tritanomaly

77.6088, 0.3050, 0.3195

Monochromacy



Original Color

77.3972, 0.3123, 0.3376

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

76.9306, 0.3126, 0.3322

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.3972, 0.3123, 0.3376 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(222, 230, 222)` looks like.

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

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

Border

The CSS property to change the border of an element to Yxy 77.3972, 0.3123, 0.3376 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(222, 230, 222) }
```

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

```
.border{ border-color:rgb(222, 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(222, 230, 222) colored shadow looks like.

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


Background

The CSS property to change the background color of an element to $Yxy\ 77.3972, 0.3123, 0.3376$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(222,  
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](#).

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