

Converting Colors

$Y_{xy}(75.6265, 0.3073, 0.3180)$

Have a look what the booklet for
Yxy(75.6265, 0.3073, 0.3180)
contains.

Yxy(75.4782, 0.3070, 0.3174)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(75.4782, 0.3070, 0.3174)

Conversions

Conversions Part 1

Format	Color
Hex	E2E0EB
RGB	226, 224, 235
RGB Percent	89%, 88%, 92%
CMY	0.1139, 0.1215, 0.0784
CMYK	0.04, 0.05, 0.00, 0.08
HSL	251°, 22%, 90%
HSV	251°, 5%, 92%
XYZ	73.0051, 75.4782, 89.3182
YIQ	225.8520, -2.3390, 3.8450

Conversions

Conversions Part 2

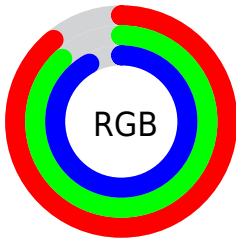
Format	Color
R _Y B	226, 224, 235
Decimal	14868715
CIE Lab	89.62, 2.66, -5.12
CIE LCh	90, 5.774, 297.440
Yxy	75.4782, 0.3070, 0.3174
Android (android.graphics.Color)	4293058795 (0xFFE2E0EB)
YUV	225.8520, 4.5100, 0.1298
Hunter-Lab	86.8782, -2.0406, -0.1405

Details

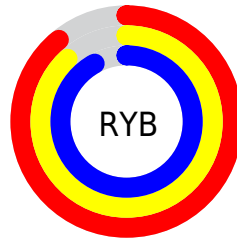
The Yxy color **75.4782, 0.3070, 0.3174** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **82.1343, 0.3183, 0.3404**, and the grayscale version is **75.9069, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.2885, 0.3062, 0.3153** is the 20% darker color. If you saturate the color by 10%, you get **60.7565, 0.2934, 0.2904**, and if you desaturate by 10%, it is **92.3050, 0.3188, 0.3414**.

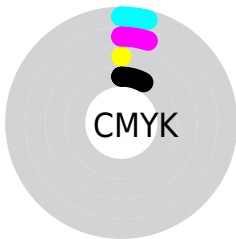
Distribution



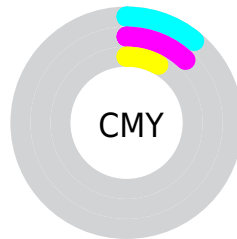
- Red (89%)
- Green (88%)
- Blue (92%)



- Red (89%)
- Yellow (88%)
- Blue (92%)



- Cyan (4%)
- Magenta (5%)
- Yellow (0%)
- Black (8%)



- Cyan (11%)
- Magenta (12%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.4782, 0.3070, 0.3174 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 75.4782, 0.3070, 0.3174 by changing the saturation by 10% instead.

■ 75.4782, 0.3070,
0.3174

■ 75.4782, 0.3070,
0.3174

479.5596, 0.3096,
0.3227

■ 56.0047, 0.3064,
0.3162

126.9890, 0.3079,
0.3192

■ 40.2067, 0.3057,
0.3147

159.7952, 0.3083,
0.3199

■ 27.6998, 0.3047,
0.3129

197.8144, 0.3086,
0.3206

■ 18.0995, 0.3035,
0.3104

241.4310, 0.3088,
0.3211

■ 11.0214, 0.3018,
0.3072

291.0295, 0.3091,
0.3216

■ 6.0812, 0.2994,
0.3025

346.9941, 0.3093,

■ 2.8945, 0.2956,

0.3220

0.2954

409.7094, 0.3095,
0.3224

■ 1.0769, 0.2888,
0.2829

■ 0.0000, 0.0731,
0.0000

■ 75.4782, 0.3070,
0.3174

■ 75.4782, 0.3070,
0.3174

■ 60.7565, 0.2934,
0.2904

■ 92.3050, 0.3188,
0.3414

■ 48.0475, 0.2779,
0.2604

■ 98.7782, 0.3244,
0.3483

■ 37.2660, 0.2607,
0.2280

■ 28.3170, 0.2421,
0.1942

■ 21.0975, 0.2227,
0.1604

■ 15.4940, 0.2037,
0.1288

■ 11.3795, 0.1863,
0.1017

■ 8.6072, 0.1718,
0.0811

■ 6.9993, 0.1612,
0.0682

Harmonies

Analogous

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



75.4782, 0.3018, 0.3180



75.4782, 0.3070, 0.3174



75.4782, 0.3138, 0.3198

Triad

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



75.4782, 0.3070, 0.3174



75.4782, 0.3262, 0.3363



75.4782, 0.3050, 0.3334

Complementary

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



75.4782, 0.3070, 0.3174



82.1343, 0.3183, 0.3404

Split Complementary

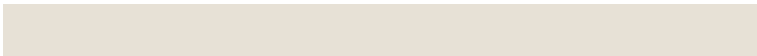
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.4782, 0.3115, 0.3385



75.4782, 0.3070, 0.3174



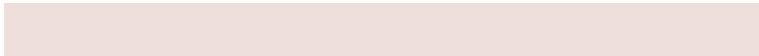
75.4782, 0.3238, 0.3401

Square

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



75.4782, 0.3070, 0.3174



75.4782, 0.3250, 0.3306



75.4782, 0.3184, 0.3409



75.4782, 0.3006, 0.3272

Rectangle

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



75.4782, 0.3070, 0.3174



75.4782, 0.3184, 0.3228



75.4782, 0.3184, 0.3409



75.4782, 0.3070, 0.3353

Sweetspot

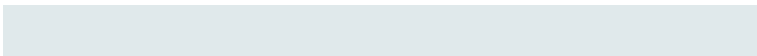
The Sweet Spot groups the original color and five complimentary colors.



75.4814, 0.3070, 0.3174



97.9878, 0.3115, 0.3266



80.2231, 0.3055, 0.3271



20.9946, 0.3116, 0.3267



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.



75.4814, 0.3070, 0.3174



88.3123, 0.3053, 0.3139



76.3650, 0.3107, 0.3175



15.5974, 0.3045, 0.3124



3.6451, 0.1581, 0.0644



0.3232, 0.1699, 0.0710

Inverse Universe

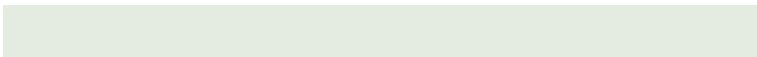
The Inverse Universe completely reimagines the original color for something new.



76.8702, 0.3145, 0.3196



90.4508, 0.3151, 0.3169



81.2419, 0.3146, 0.3406



16.0165, 0.3153, 0.3157



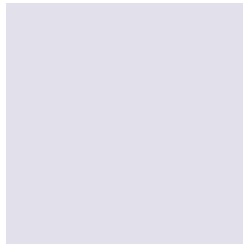
12.0017, 0.3713, 0.1819



0.9544, 0.3631, 0.1774

Previews

White Background



This preview shows how the Yxy color 75.4782, 0.3070, 0.3174 looks on a white background.

Color Contrast Check

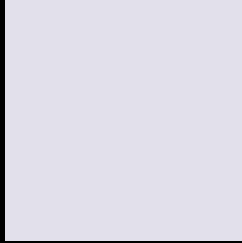
Large Text (above 18pt) WCAG AA × Fail

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 75.4782, 0.3070, 0.3174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

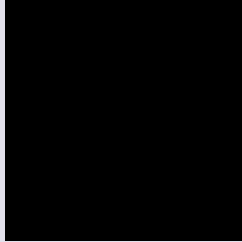
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

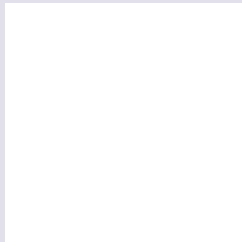
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.4782, 0.3070, 0.3174

Background



This preview shows how black text looks on a background with the Yxy color 75.4782, 0.3070, 0.3174.

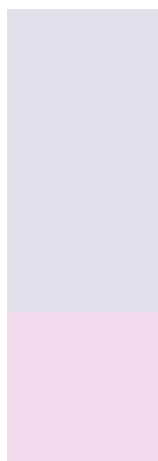


This preview shows how white text looks on a background with the Yxy color 75.4782, 0.3070, 0.3174.

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

75.4782, 0.3070, 0.3174

Protanopia

75.4782, 0.3070, 0.3174

Deuteranopia

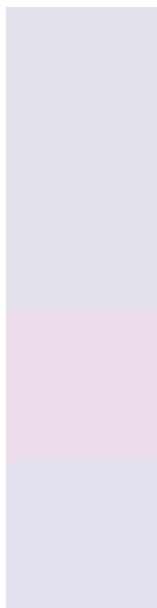
75.0762, 0.3179, 0.3106



Tritanopia

75.4571, 0.3039, 0.3102

Trichromacy



Original Color

75.4782, 0.3070, 0.3174

Protanomaly

75.4782, 0.3070, 0.3174

Deuteranomaly

75.0754, 0.3135, 0.3125

Tritanomaly

75.3382, 0.3052, 0.3122

Monochromacy



Original Color

75.4782, 0.3070, 0.3174

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

75.6763, 0.3108, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.4782, 0.3070, 0.3174 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(226, 224, 235) looks like.

```
.text, #text, p{  
    color:rgb(226, 224, 235)  
}
```

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(226, 224, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 224, 235) }
```

Border

The CSS property to change the border of an element to Yxy 75.4782, 0.3070, 0.3174 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(226, 224, 235) }
```

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

```
.border{ border-color:rgb(226, 224, 235) }
```

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

Here you see how a box with a 4 pixel rgb(226, 224, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 224, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 224, 235);  
box-shadow:4px 4px 4px 4px rgb(226, 224,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 75.4782, 0.3070, 0.3174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 224, 235) }
```

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

```
.background{ background-color: rgb(226,  
224, 235) }
```

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