

Converting Colors

Yxy(79.7644, 0.3023, 0.3248)

Have a look what the booklet for
Yxy(79.7644, 0.3023, 0.3248)
contains.

Yxy(79.7644, 0.3023, 0.3248)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(79.7644, 0.3023, 0.3248)

Conversions

Conversions Part 1

Format	Color
Hex	DDE9ED
RGB	221, 233, 237
RGB Percent	87%, 91%, 93%
CMY	0.1333, 0.0862, 0.0707
CMYK	0.07, 0.02, 0.00, 0.07
HSL	195°, 31%, 90%
HSV	195°, 7%, 93%
XYZ	74.2388, 79.7644, 91.5768
YIQ	229.8680, -8.4360, -1.3000

Conversions

Conversions Part 2

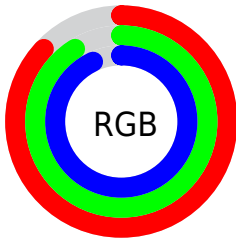
Format	Color
R_{YB}	221, 228, 237
Decimal	14543341
CIE Lab	91.58, -3.23, -3.31
CIE LCh	92, 4.624, 225.636
Yxy	79.7644, 0.3023, 0.3248
Android (android.graphics.Color)	4292733421 (0xFFDDE9ED)
YUV	229.8680, 3.5161, -7.7772
Hunter-Lab	89.3109, -7.9177, 1.7234

Details

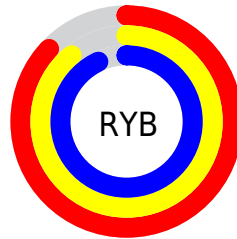
The Yxy color **79.7644, 0.3023, 0.3248** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **77.0450, 0.3238, 0.3332**, and the grayscale version is **79.0066, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.8875, 0.3001, 0.3235** is the 20% darker color. If you saturate the color by 10%, you get **73.0376, 0.2869, 0.3180**, and if you desaturate by 10%, it is **87.1335, 0.3177, 0.3309**.

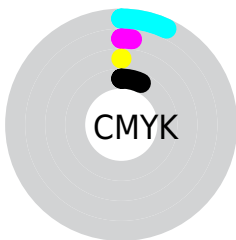
Distribution



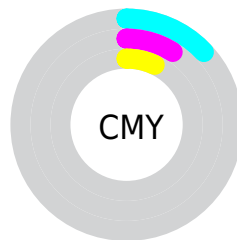
- Red (87%)
- Green (91%)
- Blue (93%)



- Red (87%)
- Yellow (89%)
- Blue (93%)



- Cyan (7%)
- Magenta (2%)
- Yellow (0%)
- Black (7%)



- Cyan (13%)
- Magenta (9%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 79.7644, 0.3023, 0.3248 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 79.7644, 0.3023, 0.3248 by changing the saturation by 10% instead.

■ 79.7644, 0.3023,
0.3248

■ 79.7644, 0.3023,
0.3248

494.1385, 0.3070,
0.3267

■ 59.5245, 0.3012,
0.3244

133.0344, 0.3039,
0.3255

■ 43.0355, 0.2999,
0.3238

166.8334, 0.3046,
0.3257

■ 29.9130, 0.2983,
0.3231

205.9208, 0.3051,
0.3260

■ 19.7725, 0.2962,
0.3222

250.6810, 0.3056,
0.3262

■ 12.2298, 0.2933,
0.3210

301.4985, 0.3060,
0.3263

■ 6.9004, 0.2893,
0.3193

358.7577, 0.3064,

■ 3.3999, 0.2832,

0.3265

0.3166

422.8429, 0.3067,
0.3266

■ 1.3439, 0.2728,
0.3118

■ 0.1748, 0.1276,
0.2558

■ 79.7644, 0.3023,
0.3248

■ 79.7644, 0.3023,
0.3248

■ 73.0376, 0.2869,
0.3180

■ 87.1335, 0.3177,
0.3309

■ 66.9202, 0.2719,
0.3106

■ 92.5274, 0.3241,
0.3366

■ 61.3908, 0.2576,
0.3027

■ 96.1317, 0.3236,
0.3422

■ 56.4233, 0.2443,
0.2942

■ 98.8924, 0.3232,
0.3464

■ 51.9889, 0.2323,
0.2853

■ 48.0560, 0.2220,
0.2761

■ 44.5887, 0.2136,
0.2668

■ 41.5454, 0.2072,
0.2575

■ 38.8733, 0.2027,
0.2483

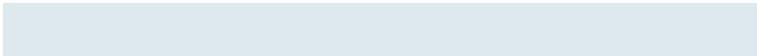
Harmonies

Analogous

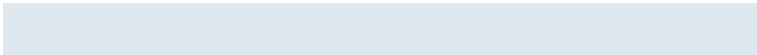
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.7644, 0.3043, 0.3296



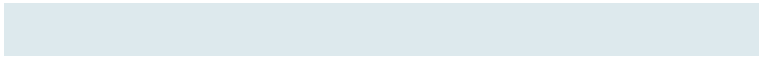
79.7644, 0.3023, 0.3248



79.7644, 0.3031, 0.3212

Triad

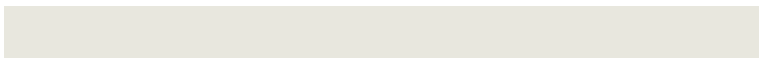
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.7644, 0.3023, 0.3248



79.7644, 0.3169, 0.3239



79.7644, 0.3191, 0.3384

Complementary

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



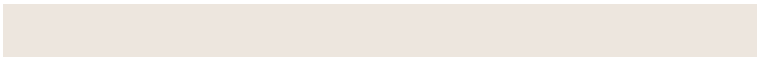
79.7644, 0.3023, 0.3248



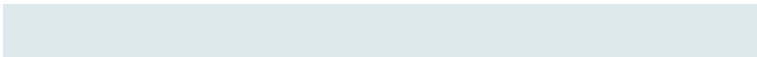
77.0450, 0.3238, 0.3332

Split Complementary

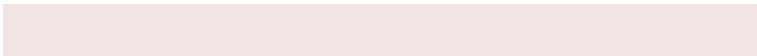
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.7644, 0.3225, 0.3368



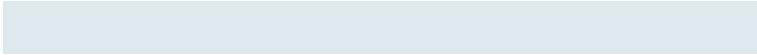
79.7644, 0.3023, 0.3248



79.7644, 0.3212, 0.3284

Square

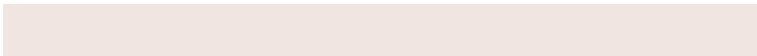
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.7644, 0.3023, 0.3248



79.7644, 0.3114, 0.3207



79.7644, 0.3233, 0.3331



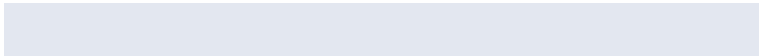
79.7644, 0.3140, 0.3375

Rectangle

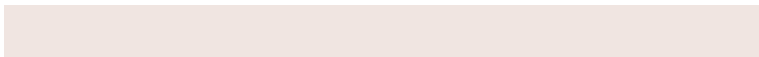
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.7644, 0.3023, 0.3248



79.7644, 0.3050, 0.3200



79.7644, 0.3233, 0.3331



79.7644, 0.3204, 0.3381

Sweetspot

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



79.7678, 0.3023, 0.3248



98.2420, 0.3096, 0.3278



81.3418, 0.3096, 0.3420



21.0463, 0.3098, 0.3278



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.



79.7678, 0.3023, 0.3248



93.1516, 0.3003, 0.3240



75.4736, 0.3024, 0.3165



16.4530, 0.2981, 0.3230



21.0008, 0.2019, 0.2469



1.7988, 0.2055, 0.2596

Inverse Universe

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



75.5945, 0.3161, 0.3166



87.3466, 0.3168, 0.3141



81.3317, 0.3231, 0.3412



15.2463, 0.3176, 0.3114



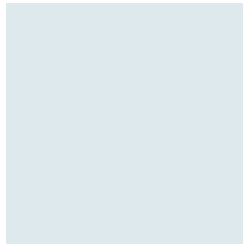
11.6129, 0.3954, 0.1952



0.9270, 0.3828, 0.1882

Previews

White Background



This preview shows how the Yxy color 79.7644, 0.3023, 0.3248 looks on a white background.

Color Contrast Check

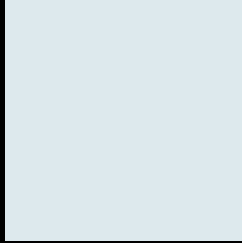
Large Text (above 18pt) WCAG AA × Fail

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 79.7644, 0.3023, 0.3248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

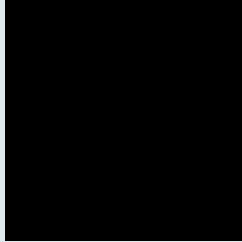
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

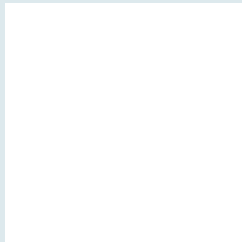
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.7644, 0.3023, 0.3248

Background



This preview shows how black text looks on a background with the Yxy color 79.7644, 0.3023, 0.3248.

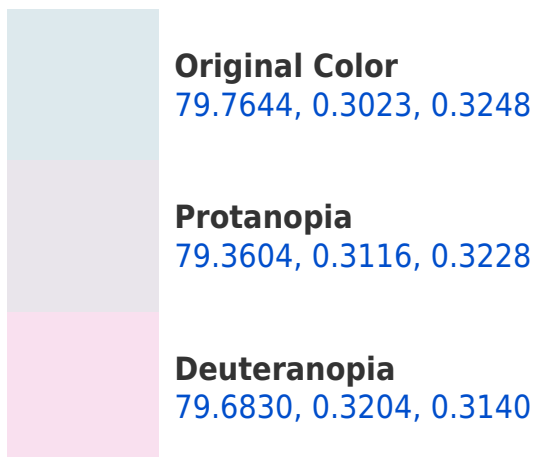


This preview shows how white text looks on a background with the Yxy color 79.7644, 0.3023, 0.3248.

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

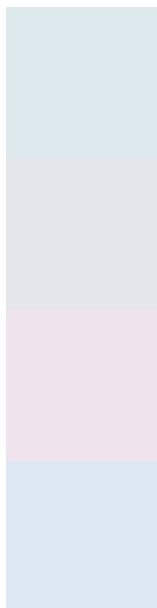




Tritanopia

79.6794, 0.2964, 0.3103

Trichromacy



Original Color

79.7644, 0.3023, 0.3248

Protanomaly

79.3078, 0.3083, 0.3227

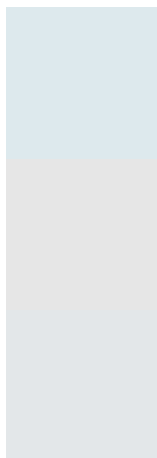
Deuteranomaly

79.4619, 0.3139, 0.3178

Tritanomaly

79.8354, 0.2981, 0.3154

Monochromacy



Original Color

79.7644, 0.3023, 0.3248

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.3659, 0.3088, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.7644, 0.3023, 0.3248 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(221, 233, 237)` looks like.

```
.text, #text, p{  
    color:rgb(221, 233, 237)  
}
```

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(221, 233, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 233, 237) }
```

Border

The CSS property to change the border of an element to Yxy 79.7644, 0.3023, 0.3248 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(221, 233, 237) }
```

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

```
.border{ border-color:rgb(221, 233, 237) }
```

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

Here you see how a box with a 4 pixel rgb(221, 233, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 233, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 233, 237);  
box-shadow:4px 4px 4px 4px rgb(221, 233,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 79.7644, 0.3023, 0.3248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 233, 237) }
```

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

```
.background{ background-color: rgb(221,  
233, 237) }
```

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