

Converting Colors

$Yxy(80.3765, 0.3023, 0.3252)$

Have a look what the booklet for
Yxy(80.3765, 0.3023, 0.3252)
contains.

Yxy(80.3322, 0.3023, 0.3258)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(80.3322, 0.3023, 0.3258)

Conversions

Conversions Part 1

Format	Color
Hex	DDEAED
RGB	221, 234, 237
RGB Percent	87%, 92%, 93%
CMY	0.1332, 0.0824, 0.0706
CMYK	0.07, 0.01, 0.00, 0.07
HSL	191°, 31%, 90%
HSV	191°, 7%, 93%
XYZ	74.5378, 80.3322, 91.6990
YIQ	230.4550, -8.7110, -1.8230

Conversions

Conversions Part 2

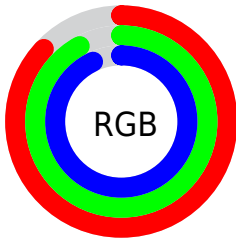
Format	Color
RYB	221, 228, 237
Decimal	14543597
CIELab	91.83, -3.71, -2.95
CIELCh	92, 4.743, 218.469
Yxy	80.3322, 0.3023, 0.3258
Android (android.graphics.Color)	4292733677 (0xFFDDEAED)
YUV	230.4550, 3.2267, -8.2920
Hunter-Lab	89.6282, -8.4029, 2.0799

Details

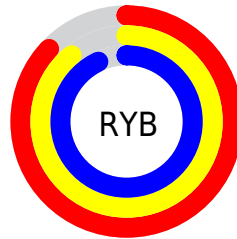
The Yxy color $80.3322, 0.3023, 0.3258$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $76.5695, 0.3239, 0.3322$, and the grayscale version is $79.4726, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $43.2840, 0.3001, 0.3249$ is the 20% darker color. If you saturate the color by 10%, you get $74.3596, 0.2871, 0.3207$, and if you desaturate by 10%, it is $86.9010, 0.3178, 0.3305$.

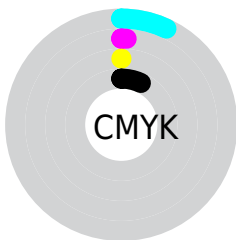
Distribution



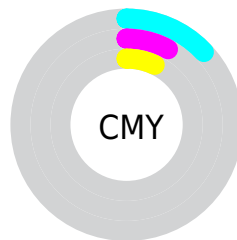
- Red (87%)
- Green (92%)
- Blue (93%)



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



- Cyan (7%)
- Magenta (1%)
- Yellow (0%)
- Black (7%)





- Cyan (13%)
- Magenta (8%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.3322, 0.3023, 0.3258 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 80.3322, 0.3023, 0.3258 by changing the saturation by 10% instead.


 80.3322, 0.3023,
0.3258

 80.3322, 0.3023,
0.3258

496.0517, 0.3070,
0.3273

 59.9918, 0.3012,
0.3255

133.8327, 0.3039,
0.3263

 43.4120, 0.2999,
0.3250


167.7615, 0.3046,
0.3265

 30.2085, 0.2983,
0.3245


206.9886, 0.3051,
0.3267

 19.9969, 0.2962,
0.3238

251.8983, 0.3056,
0.3268

 12.3928, 0.2934,
0.3229

302.8751, 0.3060,
0.3270

 7.0118, 0.2894,
0.3215

360.3033, 0.3064,

 3.4695, 0.2834,

0.3271

0.3195

424.5674, 0.3067,
0.3272

■ 1.3815, 0.2731,
0.3157

■ 0.2030, 0.1396,
0.2771

■ 80.3322, 0.3023,
0.3258

■ 80.3322, 0.3023,
0.3258

■ 74.3596, 0.2871,
0.3207

■ 86.9010, 0.3178,
0.3305

■ 68.9507, 0.2724,
0.3151

■ 91.4367, 0.3243,
0.3348

■ 64.0849, 0.2585,
0.3091

■ 94.1445, 0.3239,
0.3391

■ 59.7366, 0.2458,
0.3027

■ 96.9179, 0.3235,
0.3434

■ 55.8777, 0.2346,
0.2961

■ 98.8946, 0.3232,
0.3464

■ 52.4770, 0.2252,
0.2892

■ 49.4996, 0.2176,
0.2823

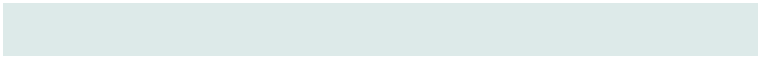
■ 46.9043, 0.2121,
0.2754

■ 44.6391, 0.2083,
0.2686

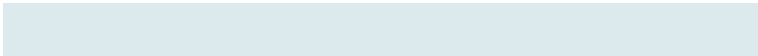
Harmonies

Analogous

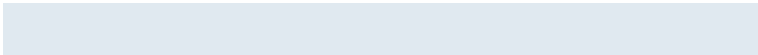
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.3322, 0.3050, 0.3308



80.3322, 0.3023, 0.3258



80.3322, 0.3024, 0.3217

Triad

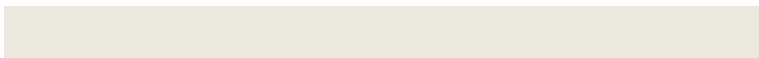
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.3322, 0.3023, 0.3258



80.3322, 0.3157, 0.3228



80.3322, 0.3202, 0.3384

Complementary

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



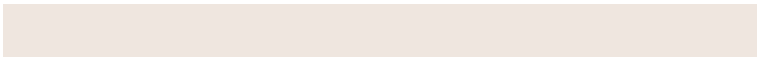
80.3322, 0.3023, 0.3258



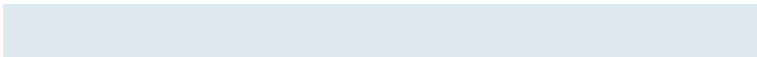
76.5695, 0.3239, 0.3322

Split Complementary

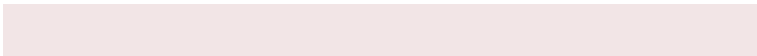
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.3322, 0.3232, 0.3362



80.3322, 0.3023, 0.3258



80.3322, 0.3205, 0.3272

Square

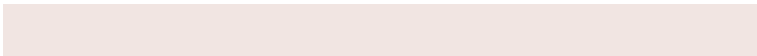
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.3322, 0.3023, 0.3258



80.3322, 0.3101, 0.3201



80.3322, 0.3233, 0.3321



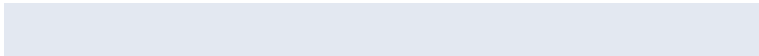
80.3322, 0.3153, 0.3381

Rectangle

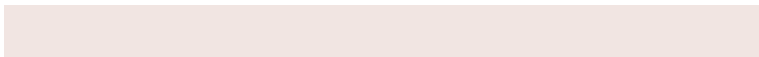
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



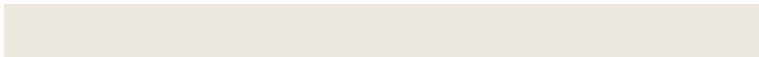
80.3322, 0.3023, 0.3258



80.3322, 0.3040, 0.3201



80.3322, 0.3233, 0.3321



80.3322, 0.3215, 0.3380

Sweetspot

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



80.3356, 0.3023, 0.3258



98.4332, 0.3096, 0.3281



81.3298, 0.3101, 0.3428



21.0852, 0.3098, 0.3281



0.0000, 0.0000, 0.0000



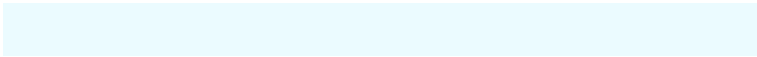
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.3356, 0.3023, 0.3258



93.9033, 0.3003, 0.3252



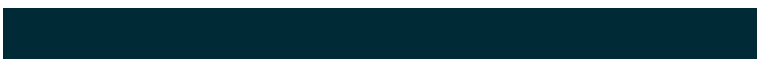
75.9406, 0.3024, 0.3174



16.6107, 0.2981, 0.3244



24.1734, 0.2077, 0.2675



2.0227, 0.2103, 0.2770

Inverse Universe

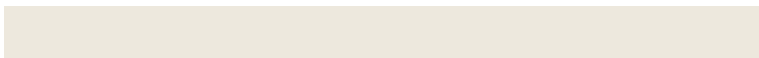
The Inverse Universe completely reimagines the original color for something new.



75.6824, 0.3155, 0.3156



87.4225, 0.3160, 0.3130



80.9131, 0.3231, 0.3403



15.2622, 0.3167, 0.3101



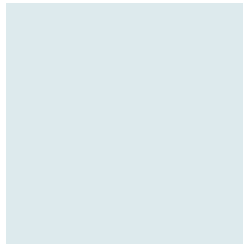
11.9331, 0.3752, 0.1840



0.9496, 0.3663, 0.1791

Previews

White Background



This preview shows how the Yxy color 80.3322, 0.3023, 0.3258 looks on a white background.

Color Contrast Check

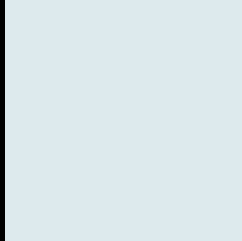
Large Text (above 18pt) WCAG AA × Fail

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 80.3322, 0.3023, 0.3258 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

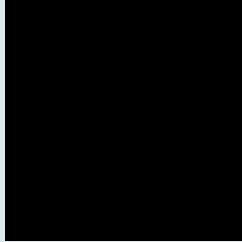
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

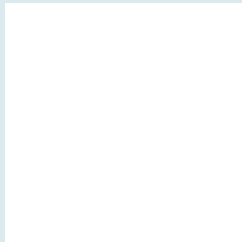
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.3322, 0.3023, 0.3258

Background



This preview shows how black text looks on a background with the Yxy color 80.3322, 0.3023, 0.3258.

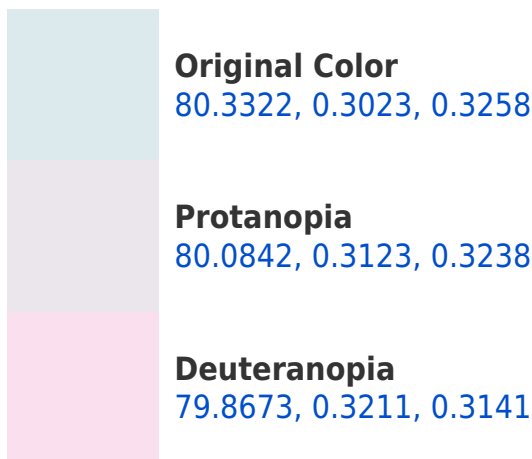


This preview shows how white text looks on a background with the Yxy color 80.3322, 0.3023, 0.3258.

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

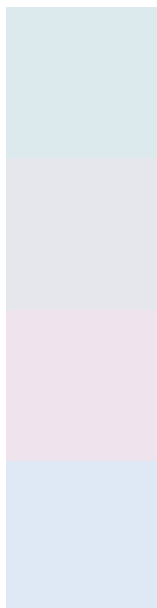




Tritanopia

80.3033, 0.2958, 0.3103

Trichromacy



Original Color

80.3322, 0.3023, 0.3258

Protanomaly

79.8660, 0.3082, 0.3238

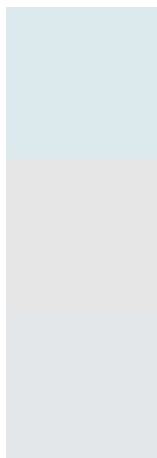
Deuteranomaly

80.0106, 0.3139, 0.3188

Tritanomaly

80.4000, 0.2981, 0.3165

Monochromacy



Original Color

80.3322, 0.3023, 0.3258

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 80.3322, 0.3023, 0.3258 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, 234, 237)` looks like.

```
.text, #text, p{  
    color:rgb(221, 234, 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, 234, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 234, 237) }
```

Border

The CSS property to change the border of an element to Yxy 80.3322, 0.3023, 0.3258 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, 234, 237) }
```

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

```
.border{ border-color:rgb(221, 234, 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, 234, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 234, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 234, 237);  
box-shadow:4px 4px 4px 4px rgb(221, 234,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 80.3322, 0.3023, 0.3258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 234, 237) }
```

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

```
.background{ background-color: rgb(221,  
234, 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](#).

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