

Converting Colors

$Yxy(78.7832, 0.3043, 0.3236)$

Have a look what the booklet for
Yxy(78.7832, 0.3043, 0.3236)
contains.

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Color

Yxy(78.8959, 0.3042, 0.3237)

Conversions

Conversions Part 1

Format	Color
Hex	DFE7EC
RGB	223, 231, 236
RGB Percent	87%, 91%, 93%
CMY	0.1256, 0.0941, 0.0744
CMYK	0.06, 0.02, 0.00, 0.07
HSL	203°, 26%, 90%
HSV	203°, 6%, 93%
XYZ	74.1431, 78.8959, 90.6925
YIQ	229.1780, -6.3730, -0.1410

Conversions

Conversions Part 2

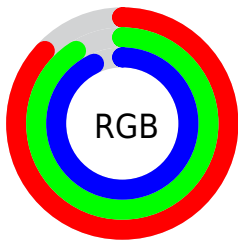
Format	Color
R _Y B	223, 228, 236
Decimal	14673900
CIE _{Lab}	91.19, -1.74, -3.37
CIE _{LCh}	91, 3.795, 242.677
Yxy	78.8959, 0.3042, 0.3237
Android (android.graphics.Color)	4292863980 (0xFFDFE7EC)
YUV	229.1780, 3.3632, -5.4181
Hunter-Lab	88.8234, -6.4424, 1.6387

Details

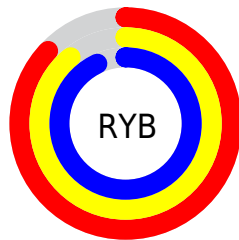
The Yxy color **78.8959, 0.3042, 0.3237** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **78.6394, 0.3215, 0.3342**, and the grayscale version is **78.4705, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.2801, 0.3026, 0.3221** is the 20% darker color. If you saturate the color by 10%, you get **70.4665, 0.2886, 0.3133**, and if you desaturate by 10%, it is **88.1171, 0.3195, 0.3331**.

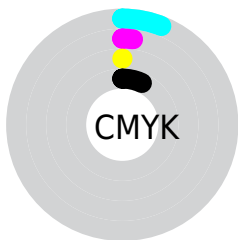
Distribution



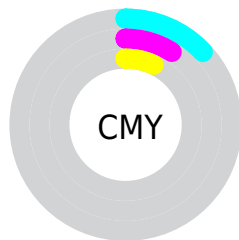
- Red (87%)
- Green (91%)
- Blue (93%)



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



- Cyan (6%)
- Magenta (2%)
- Yellow (0%)
- Black (7%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.8959, 0.3042, 0.3237 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 78.8959, 0.3042, 0.3237 by changing the saturation by 10% instead.

■ 78.8959, 0.3042,
0.3237

■ 78.8959, 0.3042,
0.3237

491.2041, 0.3081,
0.3261

■ 58.8102, 0.3033,
0.3231

131.8123, 0.3055,
0.3245

■ 42.4604, 0.3023,
0.3225

165.4118, 0.3061,
0.3249

■ 29.4619, 0.3009,
0.3216

204.2847, 0.3065,
0.3252

■ 19.4305, 0.2992,
0.3205

248.8154, 0.3069,
0.3254

■ 11.9818, 0.2968,
0.3190

299.3883, 0.3073,
0.3256

■ 6.7313, 0.2935,
0.3168

356.3878, 0.3076,

■ 3.2946, 0.2884,

0.3258

420.1983, 0.3078,
0.3260

0.3135

■ 1.2874, 0.2796,
0.3077

■ 0.1314, 0.1390,
0.2218

■ 78.8959, 0.3042,
0.3237

■ 78.8959, 0.3042,
0.3237

■ 70.4665, 0.2886,
0.3133

■ 88.1171, 0.3195,
0.3331

■ 62.7935, 0.2728,
0.3018

■ 95.1512, 0.3243,
0.3417

■ 55.8532, 0.2573,
0.2893

■ 98.8374, 0.3238,
0.3473

■ 49.6168, 0.2424,
0.2759

■ 44.0529, 0.2284,
0.2617

■ 39.1274, 0.2159,
0.2469

■ 34.8021, 0.2052,
0.2319

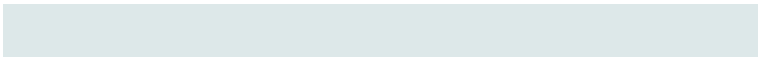
■ 31.0332, 0.1966,
0.2170

■ 27.7674, 0.1902,
0.2024

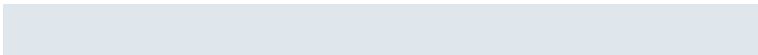
Harmonies

Analogous

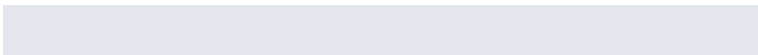
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.8959, 0.3046, 0.3272



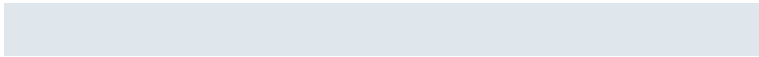
78.8959, 0.3042, 0.3237



78.8959, 0.3061, 0.3217

Triad

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



78.8959, 0.3042, 0.3237



78.8959, 0.3183, 0.3268



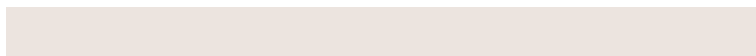
78.8959, 0.3157, 0.3366

Complementary

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



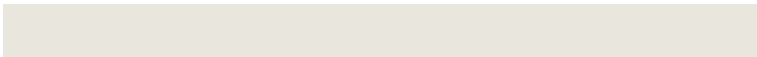
78.8959, 0.3042, 0.3237



78.6394, 0.3215, 0.3342

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.



78.8959, 0.3194, 0.3364



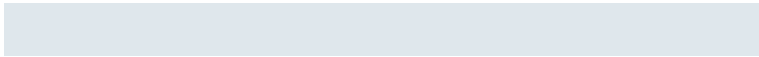
78.8959, 0.3042, 0.3237



78.8959, 0.3209, 0.3308

Square

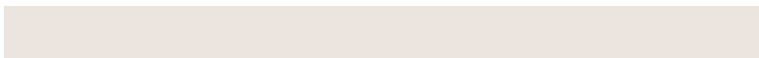
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



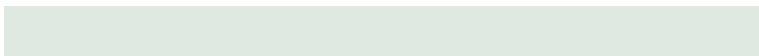
78.8959, 0.3042, 0.3237



78.8959, 0.3142, 0.3235



78.8959, 0.3213, 0.3343



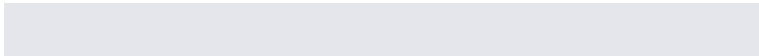
78.8959, 0.3112, 0.3347

Rectangle

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



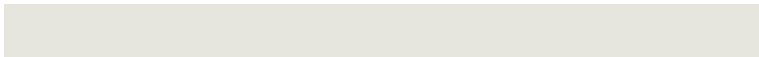
78.8959, 0.3042, 0.3237



78.8959, 0.3084, 0.3214



78.8959, 0.3213, 0.3343



78.8959, 0.3170, 0.3367

Sweetspot

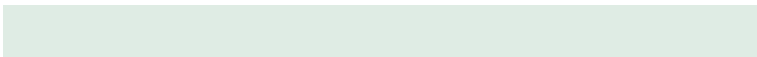
The Sweet Spot groups the original color and five complimentary colors.



78.8992, 0.3042, 0.3237



97.8027, 0.3096, 0.3271



81.2867, 0.3090, 0.3375



20.9569, 0.3098, 0.3272



0.0000, 0.0000, 0.0000



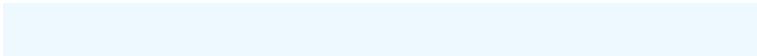
21.4041, 0.3127, 0.3290

Same Dimension

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



78.8992, 0.3042, 0.3237



92.4758, 0.3019, 0.3222



75.3184, 0.3043, 0.3168



16.4408, 0.3010, 0.3217



14.8264, 0.1884, 0.1983



1.3494, 0.1940, 0.2183

Inverse Universe

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



76.3671, 0.3166, 0.3207



88.7017, 0.3178, 0.3184



82.2928, 0.3210, 0.3409



15.7182, 0.3182, 0.3175



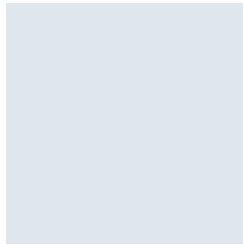
10.9895, 0.4472, 0.2237



0.8816, 0.4250, 0.2115

Previews

White Background



This preview shows how the Yxy color 78.8959, 0.3042, 0.3237 looks on a white background.

Color Contrast Check

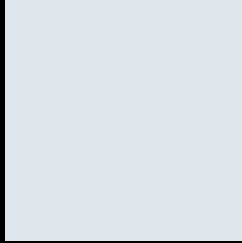
Large Text (above 18pt) WCAG AA × Fail

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 78.8959, 0.3042, 0.3237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

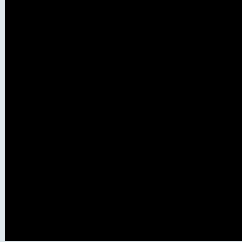
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

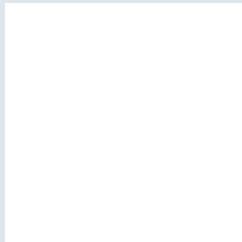
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.8959, 0.3042, 0.3237

Background



This preview shows how black text looks on a background with the Yxy color 78.8959, 0.3042, 0.3237.

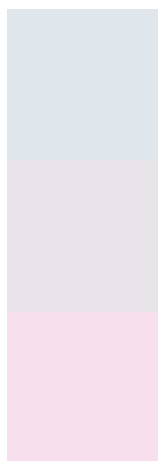


This preview shows how white text looks on a background with the Yxy color 78.8959, 0.3042, 0.3237.

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

78.8959, 0.3042, 0.3237

Protanopia

78.5831, 0.3116, 0.3228

Deuteranopia

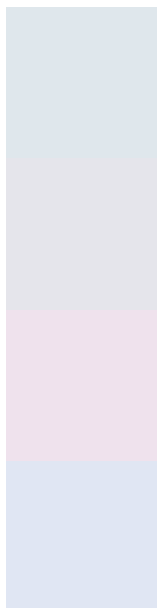
78.9049, 0.3204, 0.3140



Tritanopia

78.7616, 0.2989, 0.3103

Trichromacy



Original Color

78.8959, 0.3042, 0.3237

Protanomaly

78.6948, 0.3089, 0.3227

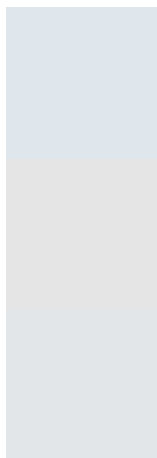
Deuteranomaly

78.8579, 0.3146, 0.3178

Tritanomaly

78.9120, 0.3006, 0.3154

Monochromacy



Original Color

78.8959, 0.3042, 0.3237

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.7507, 0.3094, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.8959, 0.3042, 0.3237 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(223, 231, 236)` looks like.

```
.text, #text, p{  
    color:rgb(223, 231, 236)  
}
```

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(223, 231, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 231, 236) }
```

Border

The CSS property to change the border of an element to Yxy 78.8959, 0.3042, 0.3237 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(223, 231, 236) }
```

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

```
.border{ border-color:rgb(223, 231, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 231, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 231, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 231, 236);  
box-shadow:4px 4px 4px 4px rgb(223, 231,  
236) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 78.8959, 0.3042, 0.3237$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 231, 236) }
```

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

```
.background{ background-color: rgb(223,  
231, 236) }
```

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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