

Converting Colors

$Yxy(79.7071, 0.3118, 0.3334)$

Have a look what the booklet for
Yxy(79.7071, 0.3118, 0.3334)
contains.

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Color

Yxy(79.6456, 0.3118, 0.3332)

Conversions

Conversions Part 1

Format	Color
Hex	E3E8E4
RGB	227, 232, 228
RGB Percent	89%, 91%, 89%
CMY	0.1100, 0.0901, 0.1058
CMYK	0.02, 0.00, 0.02, 0.09
HSL	133°, 10%, 90%
HSV	133°, 2%, 91%
XYZ	74.5303, 79.6456, 84.8565
YIQ	230.0490, -1.6960, -2.3040

Conversions

Conversions Part 2

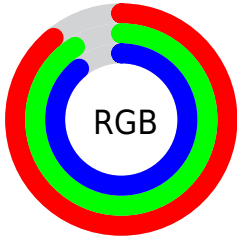
Format	Color
R _Y B	227, 231, 232
Decimal	14936292
CIE Lab	91.53, -2.40, 1.34
CIE LCh	92, 2.749, 150.873
Yxy	79.6456, 0.3118, 0.3332
Android (android.graphics.Color)	4293126372 (0xFFE3E8E4)
YUV	230.0490, -1.0102, -2.6740
Hunter-Lab	89.2444, -7.1077, 6.0962

Details

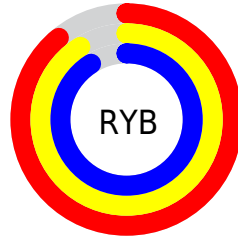
The Yxy color **79.6456, 0.3118, 0.3332** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **77.8402, 0.3136, 0.3248**, and the grayscale version is **79.1758, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.8385, 0.3116, 0.3331** is the 20% darker color. If you saturate the color by 10%, you get **75.1630, 0.3076, 0.3541**, and if you desaturate by 10%, it is **84.7513, 0.3159, 0.3149**.

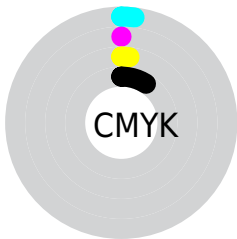
Distribution



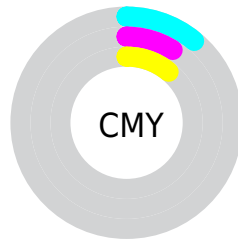
- Red (89%)
- Green (91%)
- Blue (89%)



- Red (89%)
- Yellow (91%)
- Blue (91%)



- Cyan (2%)
- Magenta (0%)
- Yellow (2%)
- Black (9%)



- Cyan (11%)
- Magenta (9%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 79.6456, 0.3118, 0.3332 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 79.6456, 0.3118, 0.3332 by changing the saturation by 10% instead.

■ 79.6456, 0.3118,
0.3332

■ 79.6456, 0.3118,
0.3332

493.7377, 0.3122,
0.3313

■ 59.4268, 0.3117,
0.3336

132.8673, 0.3119,
0.3325

■ 42.9568, 0.3116,
0.3342

166.6390, 0.3120,
0.3323

■ 29.8512, 0.3114,
0.3348

205.6972, 0.3121,
0.3321

■ 19.7257, 0.3112,
0.3357

250.4261, 0.3121,
0.3319

■ 12.1958, 0.3110,
0.3369

301.2102, 0.3121,
0.3317

■ 6.8772, 0.3106,
0.3385

358.4339, 0.3122,

■ 3.3854, 0.3100,

0.3315

0.3411

422.4816, 0.3122,
0.3314

■ 1.3361, 0.3090,
0.3456

■ 0.1689, 0.2822,
0.4676

■ 79.6456, 0.3118,
0.3332

■ 79.6456, 0.3118,
0.3332

■ 75.1630, 0.3076,
0.3541

■ 84.7513, 0.3159,
0.3149

■ 71.2698, 0.3033,
0.3776

■ 86.2026, 0.3138,
0.3068

■ 67.9443, 0.2993,
0.4036

■ 65.1596, 0.2957,
0.4319

■ 62.8867, 0.2927,
0.4616

■ 61.0938, 0.2908,
0.4916

■ 59.7453, 0.2900,
0.5204

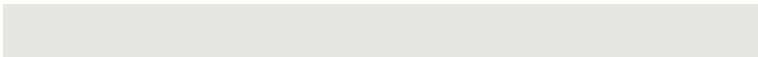
■ 58.8008, 0.2907,
0.5462

■ 58.2119, 0.2926,
0.5674

Harmonies

Analogous

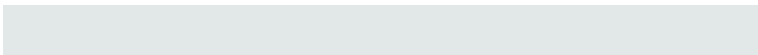
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.6456, 0.3150, 0.3345



79.6456, 0.3118, 0.3332



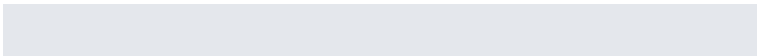
79.6456, 0.3088, 0.3308

Triad

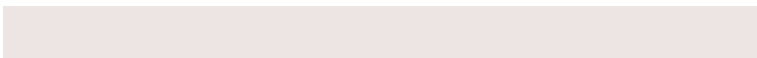
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.6456, 0.3118, 0.3332



79.6456, 0.3078, 0.3238



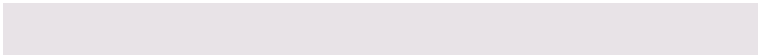
79.6456, 0.3186, 0.3301

Complementary

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



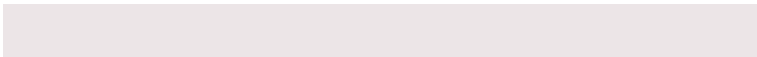
79.6456, 0.3118, 0.3332



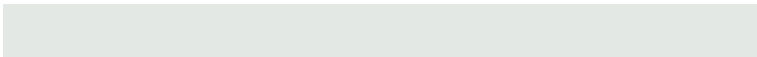
77.8402, 0.3136, 0.3248

Split Complementary

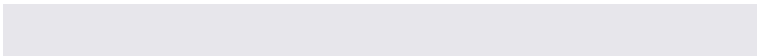
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.6456, 0.3166, 0.3273



79.6456, 0.3118, 0.3332



79.6456, 0.3104, 0.3236

Square

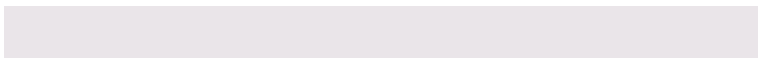
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



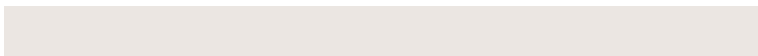
79.6456, 0.3118, 0.3332



79.6456, 0.3065, 0.3253



79.6456, 0.3136, 0.3249



79.6456, 0.3190, 0.3327

Rectangle

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



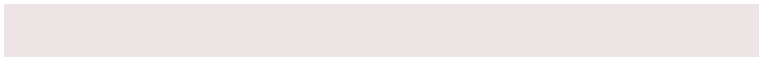
79.6456, 0.3118, 0.3332



79.6456, 0.3074, 0.3288



79.6456, 0.3136, 0.3249



79.6456, 0.3181, 0.3292

Sweetspot

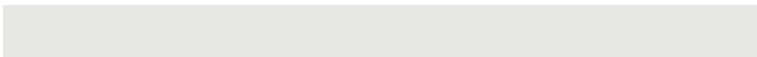
The Sweet Spot groups the original color and five complimentary colors.



79.6490, 0.3118, 0.3332



99.3905, 0.3123, 0.3309



80.2560, 0.3152, 0.3343



21.2801, 0.3123, 0.3308



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

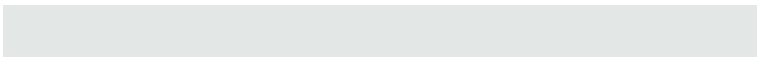
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.6490, 0.3118, 0.3332



98.1947, 0.3114, 0.3348



79.7878, 0.3102, 0.3306



16.6802, 0.3111, 0.3364



32.1767, 0.2939, 0.5779



2.3911, 0.2865, 0.5513

Inverse Universe

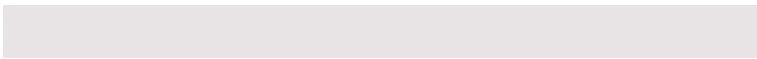
The Inverse Universe completely reimagines the original color for something new.



77.8402, 0.3136, 0.3248



95.1128, 0.3140, 0.3232



77.7011, 0.3152, 0.3274



16.0244, 0.3143, 0.3217



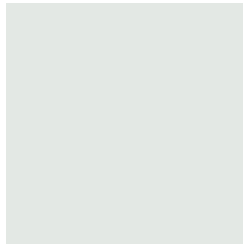
11.4482, 0.3822, 0.1879



0.8590, 0.3715, 0.1820

Previews

White Background



This preview shows how the Yxy color 79.6456, 0.3118, 0.3332 looks on a white background.

Color Contrast Check

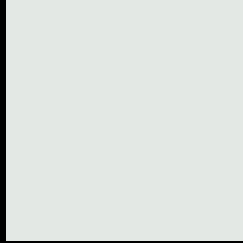
Large Text (above 18pt) WCAG AA × Fail

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 79.6456, 0.3118, 0.3332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

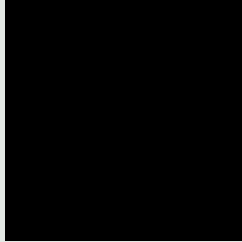
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

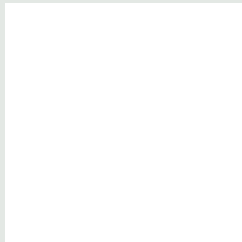
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.6456, 0.3118, 0.3332

Background



This preview shows how black text looks on a background with the Yxy color 79.6456, 0.3118, 0.3332.

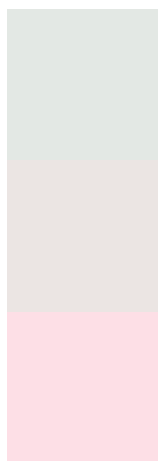


This preview shows how white text looks on a background with the Yxy color 79.6456, 0.3118, 0.3332.

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

79.6456, 0.3118, 0.3332

Protanopia

79.2468, 0.3181, 0.3311

Deuteranopia

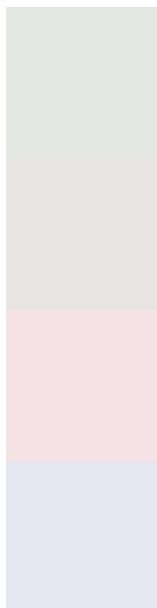
79.3712, 0.3294, 0.3221



Tritanopia

79.5770, 0.3022, 0.3105

Trichromacy



Original Color

79.6456, 0.3118, 0.3332

Protanomaly

79.2955, 0.3160, 0.3321

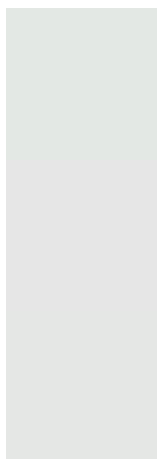
Deuteranomaly

79.2830, 0.3234, 0.3260

Tritanomaly

79.5429, 0.3058, 0.3186

Monochromacy



Original Color

79.6456, 0.3118, 0.3332

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.4670, 0.3126, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.6456, 0.3118, 0.3332 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(227, 232, 228)` looks like.

```
.text, #text, p{  
    color:rgb(227, 232, 228)  
}
```

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(227, 232, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 232, 228) }
```

Border

The CSS property to change the border of an element to Yxy 79.6456, 0.3118, 0.3332 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(227, 232, 228) }
```

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

```
.border{ border-color:rgb(227, 232, 228) }
```

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

Here you see how a box with a 4 pixel rgb(227, 232, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 232, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 232, 228);  
box-shadow:4px 4px 4px 4px rgb(227, 232,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 79.6456, 0.3118, 0.3332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 232, 228) }
```

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

```
.background{ background-color: rgb(227,  
232, 228) }
```

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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