

Converting Colors

$Yxy(80.9768, 0.3173, 0.3332)$

Have a look what the booklet for
Yxy(80.9768, 0.3173, 0.3332)
contains.

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Color

Yxy(80.9768, 0.3173, 0.3332)

Conversions

Conversions Part 1

Format	Color
Hex	EBE8E4
RGB	235, 232, 228
RGB Percent	92%, 91%, 89%
CMY	0.0785, 0.0901, 0.1060
CMYK	0.00, 0.01, 0.03, 0.08
HSL	35°, 15%, 91%
HSV	35°, 3%, 92%
XYZ	77.1127, 80.9768, 84.9382
YIQ	232.4410, 3.0720, -0.6080

Conversions

Conversions Part 2

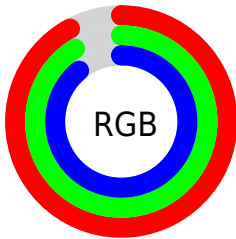
Format	Color
RYB	233, 235, 228
Decimal	15460580
CIELab	92.12, 0.30, 2.31
CIElCh	92, 2.325, 82.691
Yxy	80.9768, 0.3173, 0.3332
Android (android.graphics.Color)	4293650660 (0xFFEBE8E4)
YUV	232.4410, -2.1894, 2.2442
Hunter-Lab	89.9871, -4.5154, 7.0276

Details

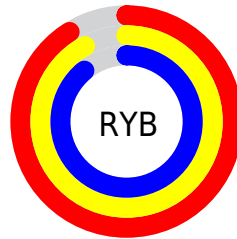
The Yxy color **80.9768, 0.3173, 0.3332** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **79.6003, 0.3082, 0.3248**, and the grayscale version is **81.0577, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.6515, 0.3178, 0.3330** is the 20% darker color. If you saturate the color by 10%, you get **74.3237, 0.3339, 0.3478**, and if you desaturate by 10%, it is **88.1308, 0.3026, 0.3195**.

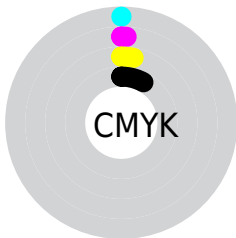
Distribution



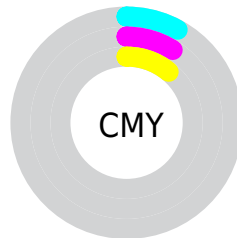
- Red (92%)
- Green (91%)
- Blue (89%)



- Red (91%)
- Yellow (92%)
- Blue (89%)



- Cyan (0%)
- Magenta (1%)
- Yellow (3%)
- Black (8%)



- Cyan (8%)
- Magenta (9%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.9768, 0.3173, 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 80.9768, 0.3173, 0.3332 by changing the saturation by 10% instead.

■ 80.9768, 0.3173,
0.3332

■ 80.9768, 0.3173,
0.3332

498.2186, 0.3152,
0.3313

■ 60.5225, 0.3178,
0.3336

134.7382, 0.3166,
0.3325

■ 43.8399, 0.3183,
0.3341

168.8141, 0.3163,
0.3323

■ 30.5447, 0.3191,
0.3348

208.1993, 0.3161,
0.3321

■ 20.2524, 0.3200,
0.3357

253.2781, 0.3159,
0.3319

■ 12.5786, 0.3212,
0.3368

304.4351, 0.3157,
0.3317

■ 7.1390, 0.3230,
0.3384

362.0546, 0.3155,

■ 3.5492, 0.3257,

0.3316

0.3409

426.5210, 0.3154,
0.3314

■ 1.4247, 0.3304,
0.3450

■ 0.2348, 0.4117,
0.4195

■ 80.9768, 0.3173,
0.3332

■ 80.9768, 0.3173,
0.3332

■ 74.3237, 0.3339,
0.3478

■ 88.1308, 0.3026,
0.3195

■ 68.1487, 0.3526,
0.3631

■ 94.4338, 0.3005,
0.3259

■ 62.4424, 0.3732,
0.3786

■ 96.3993, 0.3005,
0.3290

■ 57.1912, 0.3957,
0.3939

■ 52.3807, 0.4196,
0.4079

■ 47.9952, 0.4441,
0.4196

■ 44.0180, 0.4680,
0.4277

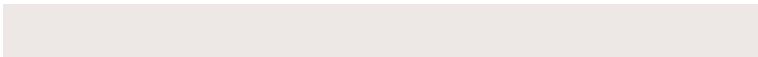
■ 40.4301, 0.4900,
0.4312

■ 37.2100, 0.5088,
0.4293

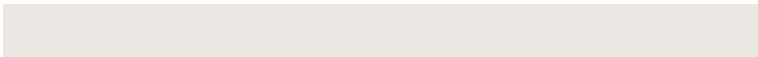
Harmonies

Analogous

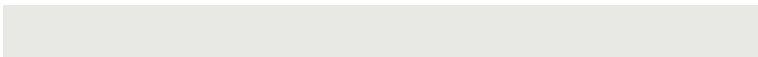
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.9768, 0.3180, 0.3316



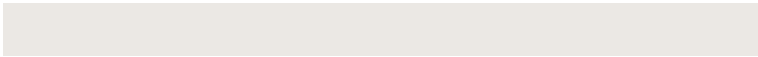
80.9768, 0.3173, 0.3332



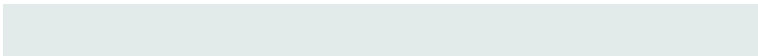
80.9768, 0.3153, 0.3337

Triad

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



80.9768, 0.3173, 0.3332



80.9768, 0.3082, 0.3287



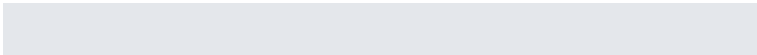
80.9768, 0.3127, 0.3251

Complementary

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



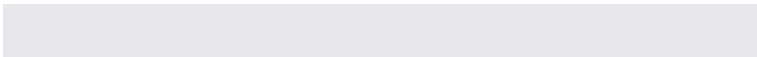
80.9768, 0.3173, 0.3332



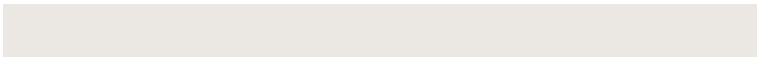
79.6003, 0.3082, 0.3248

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.



80.9768, 0.3101, 0.3244



80.9768, 0.3173, 0.3332



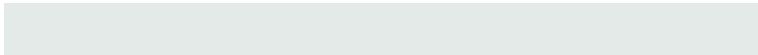
80.9768, 0.3075, 0.3264

Square

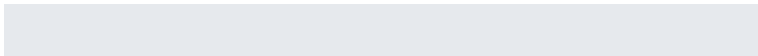
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



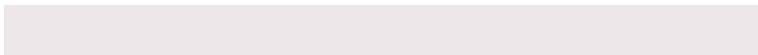
80.9768, 0.3173, 0.3332



80.9768, 0.3101, 0.3311



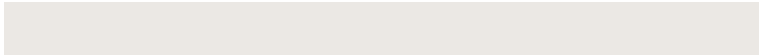
80.9768, 0.3082, 0.3248



80.9768, 0.3154, 0.3269

Rectangle

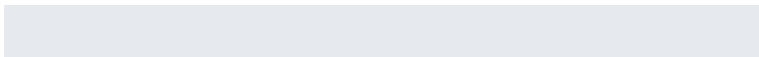
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



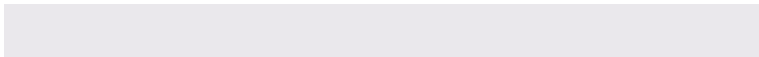
80.9768, 0.3173, 0.3332



80.9768, 0.3136, 0.3333



80.9768, 0.3082, 0.3248



80.9768, 0.3118, 0.3248

Sweetspot

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



80.9803, 0.3173, 0.3332



99.1505, 0.3142, 0.3304



78.8969, 0.3156, 0.3259



21.2313, 0.3142, 0.3303



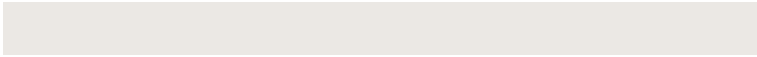
0.0000, 0.0000, 0.0000



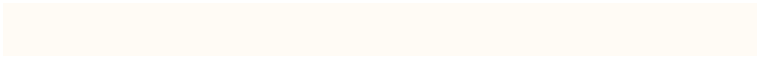
21.4041, 0.3127, 0.3290

Same Dimension

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



80.9803, 0.3173, 0.3332



96.6383, 0.3189, 0.3347



82.5864, 0.3168, 0.3363



17.1803, 0.3201, 0.3357



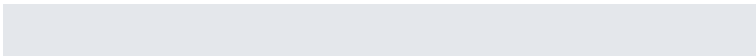
19.8244, 0.5181, 0.4268



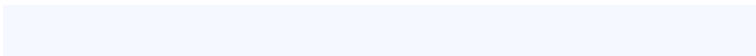
1.7465, 0.5007, 0.4406

Inverse Universe

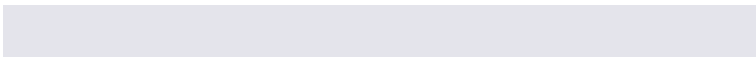
The Inverse Universe completely reimagines the original color for something new.



79.6003, 0.3082, 0.3248



94.4188, 0.3066, 0.3233



78.0298, 0.3086, 0.3217



16.7149, 0.3055, 0.3222



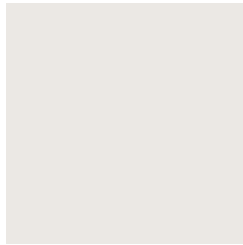
8.5881, 0.1704, 0.1334



0.8612, 0.1779, 0.1605

Previews

White Background



This preview shows how the Yxy color 80.9768, 0.3173, 0.3332 looks on a white background.

Color Contrast Check

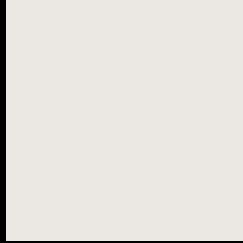
Large Text (above 18pt) WCAG AA × Fail

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 80.9768, 0.3173, 0.3332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

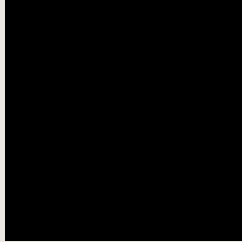
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

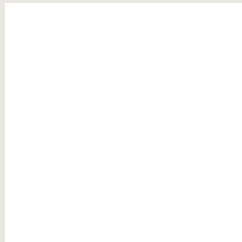
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.9768, 0.3173, 0.3332

Background



This preview shows how black text looks on a background with the Yxy color 80.9768, 0.3173, 0.3332.

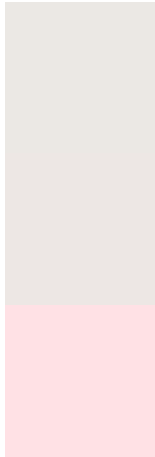


This preview shows how white text looks on a background with the Yxy color 80.9768, 0.3173, 0.3332.

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

80.9768, 0.3173, 0.3332

Protanopia

80.7578, 0.3187, 0.3321

Deuteranopia

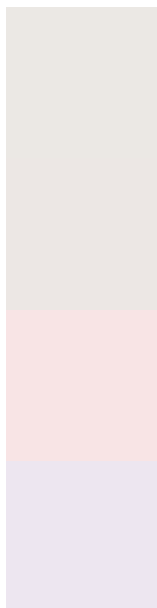
80.7676, 0.3313, 0.3251



Tritanopia

80.9312, 0.3075, 0.3108

Trichromacy



Original Color

80.9768, 0.3173, 0.3332

Protanomaly

80.5861, 0.3180, 0.3321

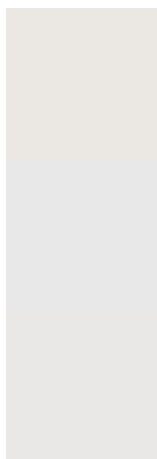
Deuteranomaly

81.1004, 0.3260, 0.3280

Tritanomaly

80.8894, 0.3112, 0.3188

Monochromacy



Original Color

80.9768, 0.3173, 0.3332

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.8064, 0.3140, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.9768, 0.3173, 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(235, 232, 228)` looks like.

```
.text, #text, p{  
    color:rgb(235, 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(235, 232, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 232, 228) }
```

Border

The CSS property to change the border of an element to Yxy 80.9768, 0.3173, 0.3332 is called "border". The border property can be set on classes, ids or directly on the HTML element.

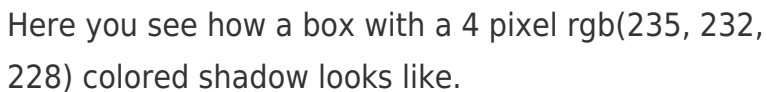
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(235, 232, 228) }
```

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

```
.border{ border-color:rgb(235, 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(235, 232, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(235, 232, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(235, 232, 228); box-shadow:4px 4px 4px 4px rgb(235, 232, 228) }
```


Background

The CSS property to change the background color of an element to Yxy 80.9768, 0.3173, 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(235, 232, 228) }
```

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

```
.background{ background-color: rgb(235,  
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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