

Converting Colors

$Y_{xy}(80.6473, 0.3200, 0.3342)$

Have a look what the booklet for
Yxy(80.6473, 0.3200, 0.3342)
contains.

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Color

Yxy(80.6473, 0.3200, 0.3342)

Conversions

Conversions Part 1

Format	Color
Hex	EDE7E2
RGB	237, 231, 226
RGB Percent	93%, 91%, 89%
CMY	0.0707, 0.0941, 0.1137
CMYK	0.00, 0.03, 0.05, 0.07
HSL	27°, 23%, 91%
HSV	27°, 5%, 93%
XYZ	77.2206, 80.6473, 83.4465
YIQ	232.2240, 5.1810, -0.2830

Conversions

Conversions Part 2

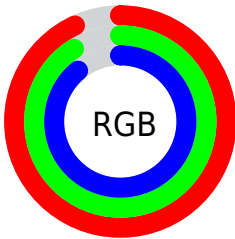
Format	Color
R _Y B	237, 235, 226
Decimal	15591394
CIE Lab	91.97, 1.15, 3.14
CIE LCh	92, 3.340, 69.927
Yxy	80.6473, 0.3200, 0.3342
Android (android.graphics.Color)	4293781474 (0xFFE7E2)
YUV	232.2240, -3.0684, 4.1886
Hunter-Lab	89.8038, -3.6679, 7.7699

Details

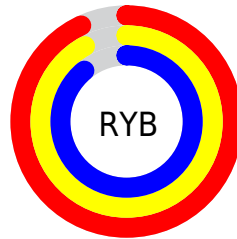
The Yxy color $80.6473, 0.3200, 0.3342$ is a light color, and the websafe version is hex FFFFFF. A complement of this color would be $79.9694, 0.3056, 0.3237$, and the grayscale version is $80.8923, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $43.4240, 0.3214, 0.3344$ is the 20% darker color. If you saturate the color by 10%, you get $72.4995, 0.3375, 0.3460$, and if you desaturate by 10%, it is $89.5112, 0.3049, 0.3232$.

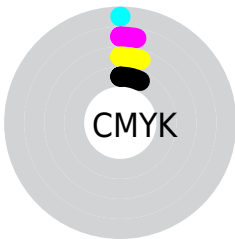
Distribution



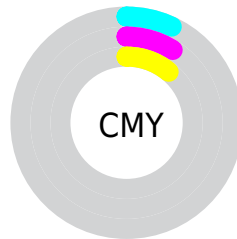
- Red (93%)
- Green (91%)
- Blue (89%)



- Red (93%)
- Yellow (92%)
- Blue (89%)



- Cyan (0%)
- Magenta (3%)
- Yellow (5%)
- Black (7%)



- Cyan (7%)
- Magenta (9%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.6473, 0.3200, 0.3342 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 80.6473, 0.3200, 0.3342 by changing the saturation by 10% instead.

80.6473, 0.3200,
0.3342

80.6473, 0.3200,
0.3342

497.1116, 0.3167,
0.3319

60.2512, 0.3207,
0.3347

134.2754, 0.3189,
0.3334

43.6211, 0.3217,
0.3354

168.2762, 0.3184,
0.3331

30.3727, 0.3228,
0.3362

207.5806, 0.3180,
0.3328

20.1217, 0.3243,
0.3372

252.5731, 0.3177,
0.3326

12.4835, 0.3263,
0.3386

303.6381, 0.3174,
0.3324

7.0739, 0.3291,
0.3406

361.1599, 0.3171,

3.5083, 0.3335,

0.3322

0.3436

425.5229, 0.3169,
0.3320

■ 1.4025, 0.3410,
0.3487

■ 0.2186, 0.4984,
0.4621

■ 80.6473, 0.3200,
0.3342

■ 80.6473, 0.3200,
0.3342

■ 72.4995, 0.3375,
0.3460

■ 89.5112, 0.3049,
0.3232

■ 65.0386, 0.3576,
0.3583

■ 96.7395, 0.3017,
0.3290

■ 58.2487, 0.3805,
0.3708

■ 52.1091, 0.4061,
0.3830

■ 46.5982, 0.4342,
0.3939

■ 41.6927, 0.4637,
0.4025

■ 37.3676, 0.4933,
0.4073

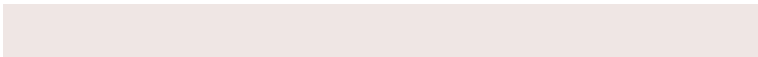
■ 33.5953, 0.5209,
0.4073

■ 30.3445, 0.5446,
0.4017

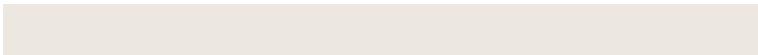
Harmonies

Analogous

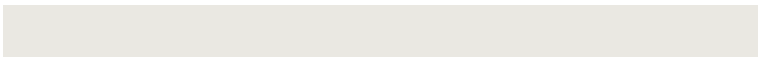
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.6473, 0.3202, 0.3314



80.6473, 0.3200, 0.3342



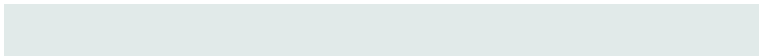
80.6473, 0.3179, 0.3357

Triad

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



80.6473, 0.3200, 0.3342



80.6473, 0.3071, 0.3301



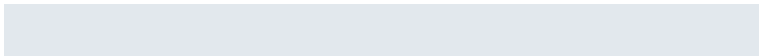
80.6473, 0.3111, 0.3228

Complementary

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



80.6473, 0.3200, 0.3342



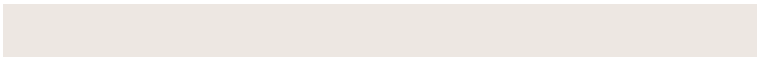
79.9694, 0.3056, 0.3237

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.



80.6473, 0.3076, 0.3224



80.6473, 0.3200, 0.3342



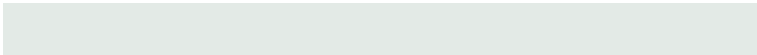
80.6473, 0.3053, 0.3266

Square

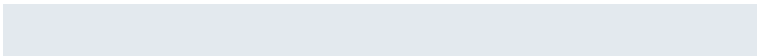
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.6473, 0.3200, 0.3342



80.6473, 0.3104, 0.3333



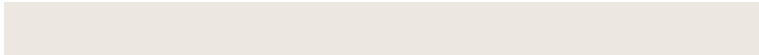
80.6473, 0.3055, 0.3238



80.6473, 0.3150, 0.3248

Rectangle

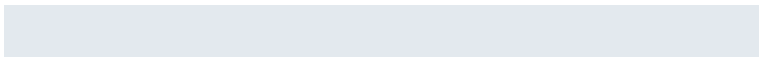
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



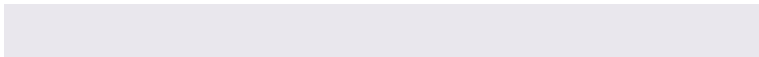
80.6473, 0.3200, 0.3342



80.6473, 0.3156, 0.3357



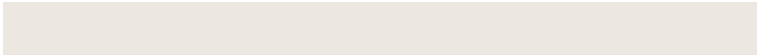
80.6473, 0.3055, 0.3238



80.6473, 0.3098, 0.3225

Sweetspot

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



80.6508, 0.3200, 0.3342



98.9568, 0.3143, 0.3301



78.2201, 0.3164, 0.3228



21.1919, 0.3142, 0.3301



0.0000, 0.0000, 0.0000



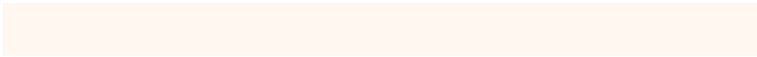
21.4041, 0.3127, 0.3290

Same Dimension

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



80.6508, 0.3200, 0.3342



93.8683, 0.3223, 0.3358



83.7248, 0.3196, 0.3397



16.6840, 0.3233, 0.3365



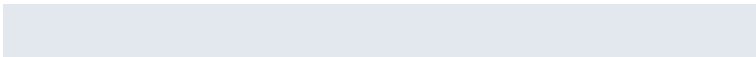
15.9810, 0.5530, 0.3991



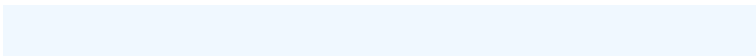
1.4451, 0.5298, 0.4175

Inverse Universe

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



79.9694, 0.3056, 0.3237



92.8310, 0.3034, 0.3221



76.9727, 0.3057, 0.3180



16.4808, 0.3025, 0.3214



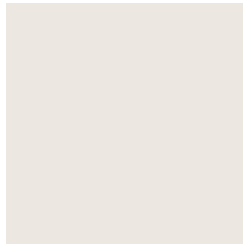
12.1264, 0.1813, 0.1725



1.1443, 0.1878, 0.1960

Previews

White Background



This preview shows how the Yxy color 80.6473, 0.3200, 0.3342 looks on a white background.

Color Contrast Check

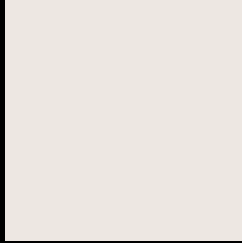
Large Text (above 18pt) WCAG AA × Fail

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 80.6473, 0.3200, 0.3342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

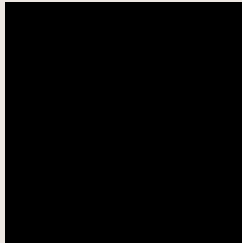
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

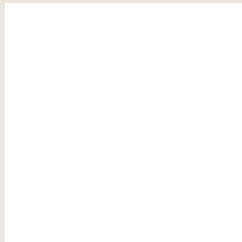
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.6473, 0.3200, 0.3342

Background



This preview shows how black text looks on a background with the Yxy color 80.6473, 0.3200, 0.3342.

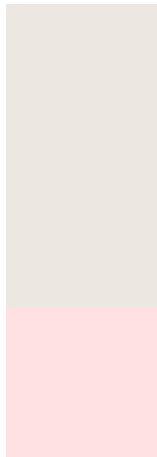


This preview shows how white text looks on a background with the Yxy color 80.6473, 0.3200, 0.3342.

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

80.6473, 0.3200, 0.3342

Protanopia

80.6473, 0.3200, 0.3342

Deuteranopia

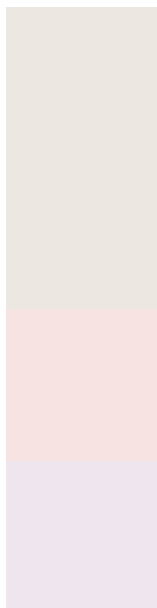
80.7119, 0.3320, 0.3261



Tritanopia

80.6659, 0.3095, 0.3108

Trichromacy



Original Color

80.6473, 0.3200, 0.3342

Protanomaly

80.6473, 0.3200, 0.3342

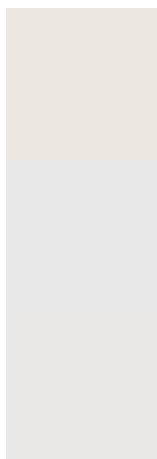
Deuteranomaly

80.4407, 0.3274, 0.3290

Tritanomaly

80.6213, 0.3132, 0.3188

Monochromacy



Original Color

80.6473, 0.3200, 0.3342

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.9188, 0.3153, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.6473, 0.3200, 0.3342 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(237, 231, 226)` looks like.

```
.text, #text, p{  
    color:rgb(237, 231, 226)  
}
```

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(237, 231, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 231, 226) }
```

Border

The CSS property to change the border of an element to Yxy 80.6473, 0.3200, 0.3342 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(237, 231, 226) }
```

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

```
.border{ border-color:rgb(237, 231, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 231, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 231, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 231, 226);  
box-shadow:4px 4px 4px 4px rgb(237, 231,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 80.6473, 0.3200, 0.3342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 231, 226) }
```

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

```
.background{ background-color: rgb(237,  
231, 226) }
```

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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