

Converting Colors

Yxy(80.5613, 0.3160, 0.3349)

Have a look what the booklet for
Yxy(80.5613, 0.3160, 0.3349)
contains.

Yxy(80.4151, 0.3159, 0.3342)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(80.4151, 0.3159, 0.3342)

Conversions

Conversions Part 1

Format	Color
Hex	E8E8E3
RGB	232, 232, 227
RGB Percent	91%, 91%, 89%
CMY	0.0900, 0.0902, 0.1098
CMYK	0.00, 0.00, 0.02, 0.09
HSL	59°, 10%, 90%
HSV	59°, 2%, 91%
XYZ	76.0118, 80.4151, 84.1928
YIQ	231.4300, 1.6050, -1.5550

Conversions

Conversions Part 2

Format	Color
R_{YB}	227, 232, 227
Decimal	15263971
CIE _{Lab}	91.87, -0.85, 2.41
CIE _{LCh}	92, 2.561, 109.481
Yxy	80.4151, 0.3159, 0.3342
Android (android.graphics.Color)	4293454051 (0xFFE8E8E3)
YUV	231.4300, -2.1840, 0.4999
Hunter-Lab	89.6745, -5.6264, 7.1064

Details

The Yxy color **80.4151, 0.3159, 0.3342** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **77.1326, 0.3095, 0.3237**, and the grayscale version is **80.2706, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.2593, 0.3160, 0.3344** is the 20% darker color. If you saturate the color by 10%, you get **79.0833, 0.3309, 0.3587**, and if you desaturate by 10%, it is **81.9267, 0.3015, 0.3107**.

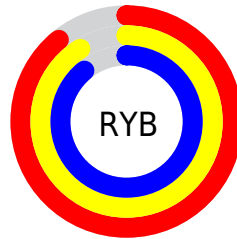
Distribution



Red (91%)

Green (91%)

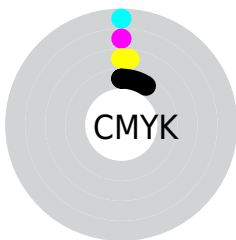
Blue (89%)



Red (89%)

Yellow (91%)

Blue (89%)

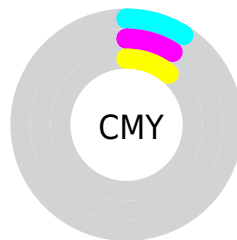


Cyan (0%)

Magenta (0%)

Yellow (2%)

Black (9%)



Cyan (9%)

Magenta (9%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.4151, 0.3159, 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 80.4151, 0.3159, 0.3342 by changing the saturation by 10% instead.

■ 80.4151, 0.3159,
0.3342

■ 80.4151, 0.3159,
0.3342

496.3306, 0.3145,
0.3318

■ 60.0600, 0.3162,
0.3347

133.9492, 0.3154,
0.3334

■ 43.4670, 0.3166,
0.3354

167.8970, 0.3152,
0.3331

■ 30.2517, 0.3171,
0.3362

207.1444, 0.3150,
0.3328

■ 20.0297, 0.3178,
0.3373

252.0759, 0.3149,
0.3326

■ 12.4166, 0.3186,
0.3387

303.0759, 0.3148,
0.3323

■ 7.0281, 0.3199,
0.3407

360.5288, 0.3147,

■ 3.4797, 0.3217,

0.3322

0.3439

424.8189, 0.3145,
0.3320

■ 1.3870, 0.3249,
0.3493

■ 0.2071, 0.4002,
0.4709

■ 80.4151, 0.3159,
0.3342

■ 80.4151, 0.3159,
0.3342

■ 79.0833, 0.3309,
0.3587

■ 81.9267, 0.3015,
0.3107

■ 77.9141, 0.3463,
0.3837

■ 82.3706, 0.2987,
0.3062

■ 76.9036, 0.3615,
0.4084

■ 82.5102, 0.2987,
0.3065

■ 76.0439, 0.3760,
0.4320


■ 82.6499, 0.2987,
0.3067


 75.3266, 0.3892,
0.4533


 82.7898, 0.2987,
0.3070

 74.7422, 0.4006,
0.4716

 82.9300, 0.2987,
0.3072


 74.2802, 0.4096,
0.4859

 83.0703, 0.2987,
0.3075

 73.9286, 0.4159,
0.4960

 83.2108, 0.2987,
0.3078

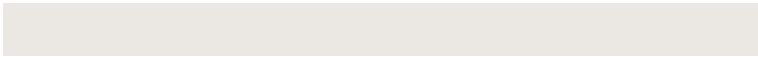
 73.6727, 0.4197,
0.5017

 83.3516, 0.2987,
0.3080

Harmonies

Analogous

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



80.4151, 0.3179, 0.3335



80.4151, 0.3159, 0.3342



80.4151, 0.3130, 0.3335

Triad

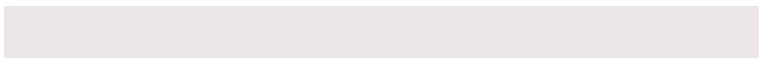
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.4151, 0.3159, 0.3342



80.4151, 0.3069, 0.3264



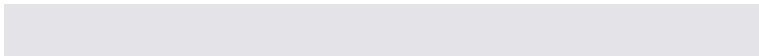
80.4151, 0.3154, 0.3265

Complementary

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



80.4151, 0.3159, 0.3342



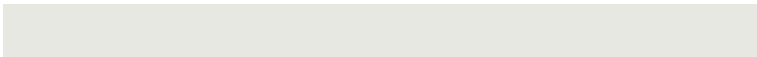
77.1326, 0.3095, 0.3237

Split Complementary

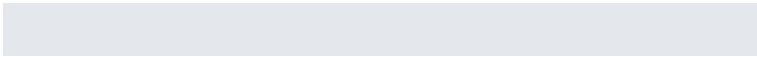
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.4151, 0.3124, 0.3246



80.4151, 0.3159, 0.3342



80.4151, 0.3075, 0.3245

Square

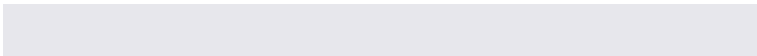
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



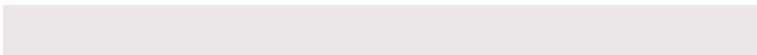
80.4151, 0.3159, 0.3342



80.4151, 0.3078, 0.3290



80.4151, 0.3095, 0.3239



80.4151, 0.3176, 0.3290

Rectangle

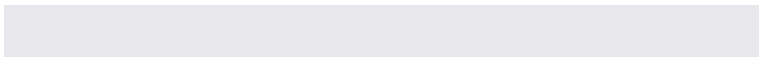
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



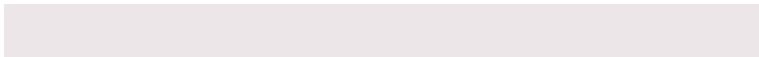
80.4151, 0.3159, 0.3342



80.4151, 0.3110, 0.3323



80.4151, 0.3095, 0.3239



80.4151, 0.3144, 0.3257

Sweetspot

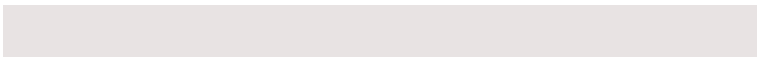
The Sweet Spot groups the original color and five complimentary colors.



80.4186, 0.3159, 0.3342



99.8195, 0.3142, 0.3314



77.6569, 0.3162, 0.3289



21.3674, 0.3141, 0.3313



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

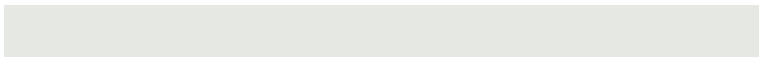
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.4186, 0.3159, 0.3342



99.4651, 0.3171, 0.3362



80.0440, 0.3142, 0.3343



16.9506, 0.3183, 0.3381



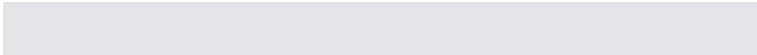
40.8107, 0.4212, 0.5038



3.0243, 0.4209, 0.5040

Inverse Universe

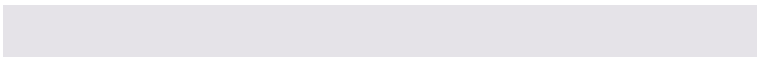
The Inverse Universe completely reimagines the original color for something new.



77.1326, 0.3095, 0.3237



93.8436, 0.3082, 0.3217



77.5021, 0.3112, 0.3237



15.7543, 0.3071, 0.3197



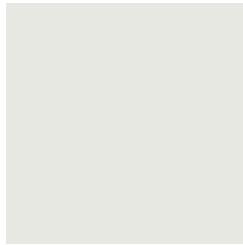
3.2757, 0.1502, 0.0607



0.2508, 0.1508, 0.0627

Previews

White Background



This preview shows how the Yxy color 80.4151, 0.3159, 0.3342 looks on a white background.

Color Contrast Check

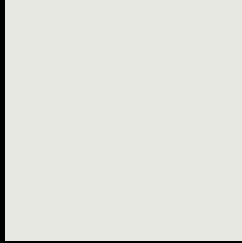
Large Text (above 18pt) WCAG AA × Fail

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 80.4151, 0.3159, 0.3342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

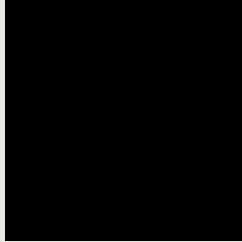
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

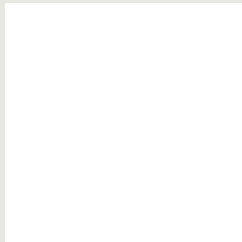
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.4151, 0.3159, 0.3342

Background



This preview shows how black text looks on a background with the Yxy color 80.4151, 0.3159, 0.3342.

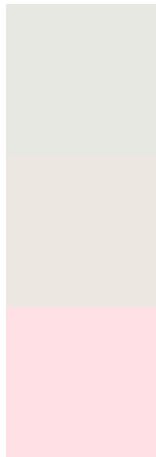


This preview shows how white text looks on a background with the Yxy color 80.4151, 0.3159, 0.3342.

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

80.4151, 0.3159, 0.3342

Protanopia

80.6473, 0.3200, 0.3342

Deuteranopia

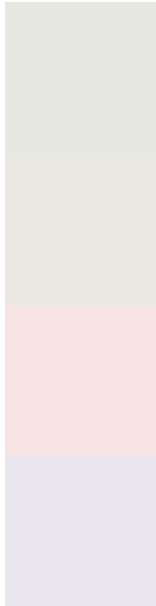
80.2285, 0.3314, 0.3241



Tritanopia

80.4162, 0.3055, 0.3107

Trichromacy



Original Color

80.4151, 0.3159, 0.3342

Protanomaly

80.3050, 0.3186, 0.3342

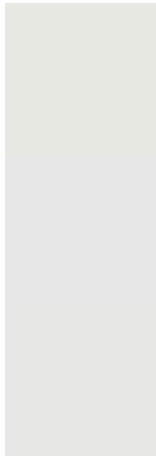
Deuteranomaly

80.3138, 0.3261, 0.3280

Tritanomaly

80.3773, 0.3091, 0.3187

Monochromacy



Original Color

80.4151, 0.3159, 0.3342

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

79.8539, 0.3133, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.4151, 0.3159, 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(232, 232, 227)` looks like.

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

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

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

Border

The CSS property to change the border of an element to Yxy 80.4151, 0.3159, 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(232, 232, 227) }
```

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

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

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

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

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


Background

The CSS property to change the background color of an element to Yxy 80.4151, 0.3159, 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(232, 232, 227) }
```

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

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

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor