

Converting Colors

$Yxy(80.7980, 0.3222, 0.3388)$

Have a look what the booklet for
Yxy(80.7980, 0.3222, 0.3388)
contains.

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Color

Yxy(80.9917, 0.3225, 0.3394)

Conversions

Conversions Part 1

Format	Color
Hex	EDE8DE
RGB	237, 232, 222
RGB Percent	93%, 91%, 87%
CMY	0.0707, 0.0901, 0.1294
CMYK	0.00, 0.02, 0.06, 0.07
HSL	40°, 29%, 90%
HSV	40°, 6%, 93%
XYZ	76.9588, 80.9917, 80.6815
YIQ	232.3550, 6.1900, -2.0500

Conversions

Conversions Part 2

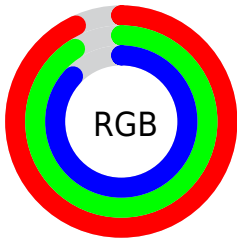
Format	Color
R _Y B	230, 237, 222
Decimal	15591646
CIE Lab	92.13, -0.04, 5.45
CIE LCh	92, 5.446, 90.454
Yxy	80.9917, 0.3225, 0.3394
Android (android.graphics.Color)	4293781726 (0xFFE8DE)
YUV	232.3550, -5.1050, 4.0737
Hunter-Lab	89.9954, -4.8491, 9.8429

Details

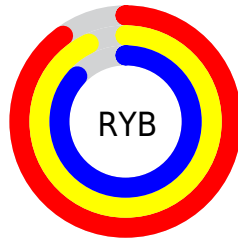
The Yxy color **80.9917, 0.3225, 0.3394** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **76.5555, 0.3030, 0.3184**, and the grayscale version is **81.0107, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.6644, 0.3246, 0.3411** is the 20% darker color. If you saturate the color by 10%, you get **75.4939, 0.3393, 0.3566**, and if you desaturate by 10%, it is **86.8723, 0.3073, 0.3231**.

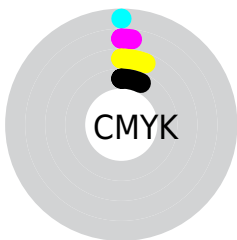
Distribution



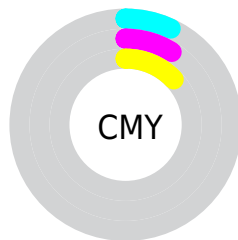
- Red (93%)
- Green (91%)
- Blue (87%)



- Red (90%)
- Yellow (93%)
- Blue (87%)



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



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.9917, 0.3225, 0.3394 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 80.9917, 0.3225, 0.3394 by changing the saturation by 10% instead.

80.9917, 0.3225,
0.3394

80.9917, 0.3225,
0.3394

498.2687, 0.3181,
0.3347

60.5348, 0.3235,
0.3405

134.7591, 0.3210,
0.3378

43.8498, 0.3247,
0.3418

168.8384, 0.3204,
0.3371

30.5525, 0.3263,
0.3434

208.2272, 0.3199,
0.3366

20.2583, 0.3282,
0.3455

253.3100, 0.3194,
0.3361

12.5829, 0.3309,
0.3483

304.4712, 0.3190,
0.3357

7.1420, 0.3347,
0.3523

362.0951, 0.3187,

3.5511, 0.3404,

0.3353

0.3585

426.5661, 0.3183,
0.3350

■ 1.4257, 0.3502,
0.3689

■ 0.2356, 0.4861,
0.5139

■ 80.9917, 0.3225,
0.3394

■ 80.9917, 0.3225,
0.3394

■ 75.4939, 0.3393,
0.3566

■ 86.8723, 0.3073,
0.3231

■ 70.3583, 0.3577,
0.3742

■ 92.1726, 0.3018,
0.3218

■ 65.5781, 0.3775,
0.3919

■ 96.7397, 0.3017,
0.3290

■ 61.1419, 0.3984,
0.4089

■ 57.0377, 0.4196,
0.4242

■ 53.2525, 0.4403,
0.4367

■ 49.7718, 0.4595,
0.4452

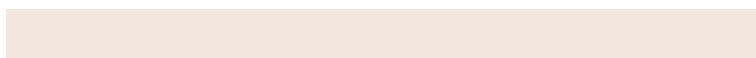
■ 46.5789, 0.4762,
0.4488

■ 43.6539, 0.4896,
0.4473

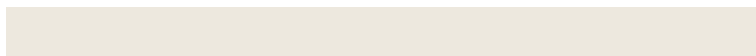
Harmonies

Analogous

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



80.9917, 0.3251, 0.3361



80.9917, 0.3225, 0.3394



80.9917, 0.3173, 0.3399

Triad

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



80.9917, 0.3225, 0.3394



80.9917, 0.3013, 0.3268



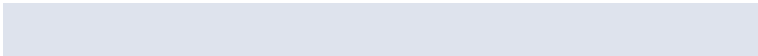
80.9917, 0.3144, 0.3209

Complementary

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



80.9917, 0.3225, 0.3394



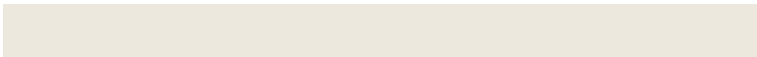
76.5555, 0.3030, 0.3184

Split Complementary

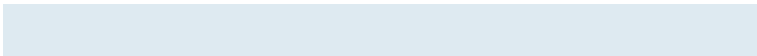
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.9917, 0.3080, 0.3184



80.9917, 0.3225, 0.3394



80.9917, 0.3005, 0.3217

Square

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



80.9917, 0.3225, 0.3394



80.9917, 0.3051, 0.3325



80.9917, 0.3030, 0.3187



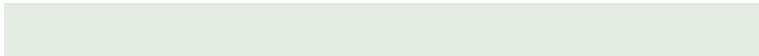
80.9917, 0.3203, 0.3255

Rectangle

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



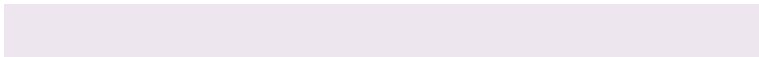
80.9917, 0.3225, 0.3394



80.9917, 0.3131, 0.3385



80.9917, 0.3030, 0.3187



80.9917, 0.3122, 0.3198

Sweetspot

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



80.9952, 0.3225, 0.3394



98.6034, 0.3158, 0.3323



75.7867, 0.3200, 0.3238



21.1199, 0.3156, 0.3321



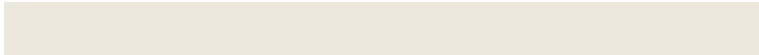
0.0000, 0.0000, 0.0000



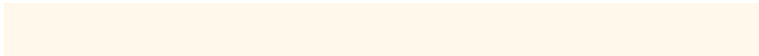
21.4041, 0.3127, 0.3290

Same Dimension

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



80.9952, 0.3225, 0.3394



94.5219, 0.3253, 0.3423



83.3990, 0.3204, 0.3445



16.7379, 0.3276, 0.3447



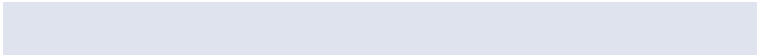
23.5331, 0.4925, 0.4472



2.0230, 0.4798, 0.4572

Inverse Universe

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



76.5555, 0.3030, 0.3184



87.9339, 0.3003, 0.3154



74.2806, 0.3048, 0.3132



15.3635, 0.2980, 0.3128



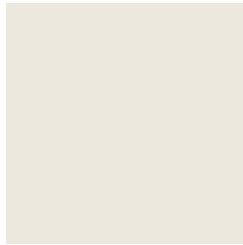
6.5629, 0.1632, 0.1076



0.6859, 0.1709, 0.1352

Previews

White Background



This preview shows how the Yxy color 80.9917, 0.3225, 0.3394 looks on a white background.

Color Contrast Check

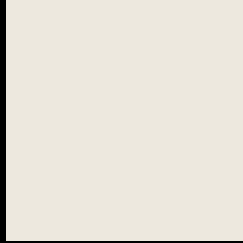
Large Text (above 18pt) WCAG AA × Fail

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 80.9917, 0.3225, 0.3394 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

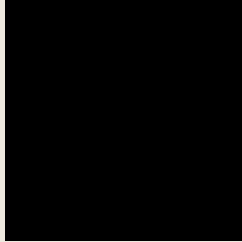
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

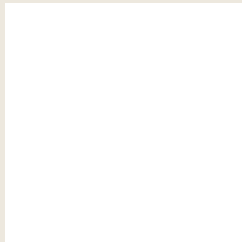
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.9917, 0.3225, 0.3394

Background



This preview shows how black text looks on a background with the Yxy color 80.9917, 0.3225, 0.3394.

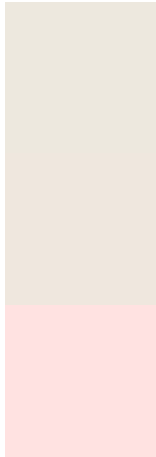


This preview shows how white text looks on a background with the Yxy color 80.9917, 0.3225, 0.3394.

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

80.9917, 0.3225, 0.3394

Protanopia

80.7765, 0.3240, 0.3383

Deuteranopia

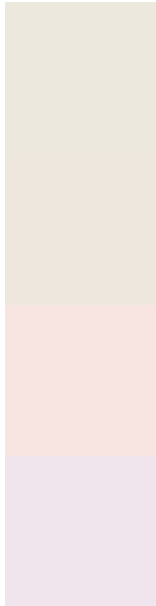
81.0890, 0.3339, 0.3301



Tritanopia

80.8414, 0.3102, 0.3109

Trichromacy



Original Color

80.9917, 0.3225, 0.3394

Protanomaly

80.6029, 0.3233, 0.3383

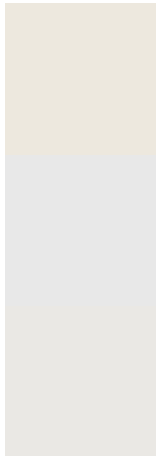
Deuteranomaly

80.8251, 0.3293, 0.3331

Tritanomaly

80.6783, 0.3152, 0.3209

Monochromacy



Original Color

80.9917, 0.3225, 0.3394

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.8071, 0.3166, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.9917, 0.3225, 0.3394 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, 232, 222)` looks like.

```
.text, #text, p{  
    color:rgb(237, 232, 222)  
}
```

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, 232, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 232, 222) }
```

Border

The CSS property to change the border of an element to Yxy 80.9917, 0.3225, 0.3394 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, 232, 222) }
```

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

```
.border{ border-color:rgb(237, 232, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 232, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 232, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 232, 222);  
box-shadow:4px 4px 4px 4px rgb(237, 232,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 80.9917, 0.3225, 0.3394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 232, 222) }
```

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

```
.background{ background-color: rgb(237,  
232, 222) }
```

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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