

Converting Colors

$Y_{xy}(79.8460, 0.3337, 0.3537)$

Have a look what the booklet for
Yxy(79.8460, 0.3337, 0.3537)
contains.

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Color

Yxy(80.0075, 0.3339, 0.3541)

Conversions

Conversions Part 1

Format	Color
Hex	EFE7CF
RGB	239, 231, 207
RGB Percent	94%, 91%, 81%
CMY	0.0626, 0.0941, 0.1882
CMYK	0.00, 0.03, 0.13, 0.06
HSL	45°, 50%, 87%
HSV	45°, 13%, 94%
XYZ	75.4434, 80.0075, 70.4952
YIQ	230.6560, 12.4720, -5.7680

Conversions

Conversions Part 2

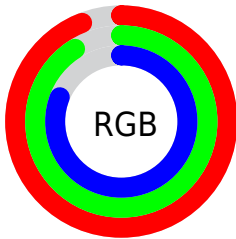
Format	Color
R _Y B	218, 239, 207
Decimal	15722447
CIE Lab	91.69, -1.23, 12.65
CIE LCh	92, 12.709, 95.539
Yxy	80.0075, 0.3339, 0.3541
Android (android.graphics.Color)	4293912527 (0xFFEFE7CF)
YUV	230.6560, -11.6624, 7.3177
Hunter-Lab	89.4469, -5.9775, 15.8850

Details

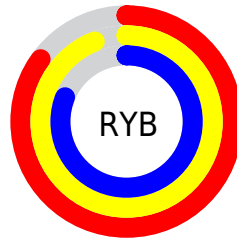
The Yxy color **80.0075, 0.3339, 0.3541** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **68.1194, 0.2915, 0.3026**, and the grayscale version is **79.7286, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.0271, 0.3386, 0.3587** is the 20% darker color. If you saturate the color by 10%, you get **75.6281, 0.3512, 0.3736**, and if you desaturate by 10%, it is **84.6861, 0.3179, 0.3352**.

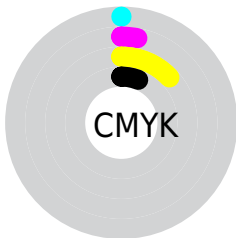
Distribution



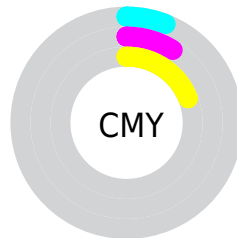
- Red (94%)
- Green (91%)
- Blue (81%)



- Red (85%)
- Yellow (94%)
- Blue (81%)



- Cyan (0%)
- Magenta (3%)
- Yellow (13%)
- Black (6%)



- Cyan (6%)
- Magenta (9%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.0075, 0.3339, 0.3541 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 80.0075, 0.3339, 0.3541 by changing the saturation by 10% instead.

80.0075, 0.3339,
0.3541

80.0075, 0.3339,
0.3541

494.9581, 0.3243,
0.3427

59.7245, 0.3361,
0.3567

133.3763, 0.3306,
0.3502

43.1966, 0.3387,
0.3598

167.2309, 0.3293,
0.3486

30.0394, 0.3420,
0.3638

206.3781, 0.3282,
0.3473

19.8685, 0.3463,
0.3690

251.2024, 0.3272,
0.3461

12.2995, 0.3520,
0.3759

302.0882, 0.3263,
0.3451

6.9480, 0.3600,
0.3856

359.4198, 0.3256,

3.4296, 0.3720,

0.3442

0.4004

423.5816, 0.3249,
0.3434

■ 1.3599, 0.3994,
0.4334

■ 0.1869, 0.4414,
0.5586

■ 80.0075, 0.3339,
0.3541

■ 80.0075, 0.3339,
0.3541

■ 75.6281, 0.3512,
0.3736

■ 84.6861, 0.3179,
0.3352

■ 71.5282, 0.3695,
0.3932

■ 89.6618, 0.3032,
0.3173

■ 67.7016, 0.3885,
0.4122

■ 93.3240, 0.3030,
0.3231

■ 64.1380, 0.4074,
0.4297

■ 97.0920, 0.3030,
0.3290

■ 60.8258, 0.4255,
0.4445

■ 97.0970, 0.3030,
0.3290

■ 57.7525, 0.4420,
0.4556

■ 54.9034, 0.4561,
0.4621

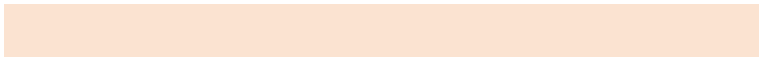
■ 52.2612, 0.4671,
0.4638

■ 50.6148, 0.4729,
0.4627

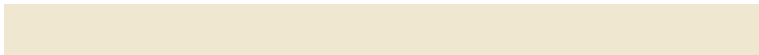
Harmonies

Analogous

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



80.0075, 0.3413, 0.3471



80.0075, 0.3339, 0.3541



80.0075, 0.3209, 0.3543

Triad

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



80.0075, 0.3339, 0.3541



80.0075, 0.2854, 0.3213



80.0075, 0.3191, 0.3118

Complementary

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



80.0075, 0.3339, 0.3541



68.1194, 0.2915, 0.3026

Split Complementary

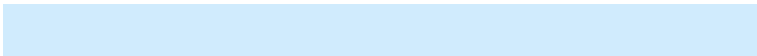
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.0075, 0.3041, 0.3051



80.0075, 0.3339, 0.3541



80.0075, 0.2849, 0.3102

Square

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



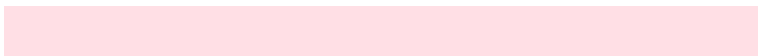
80.0075, 0.3339, 0.3541



80.0075, 0.2930, 0.3350



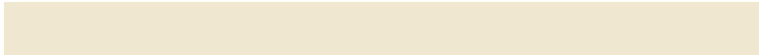
80.0075, 0.2916, 0.3044



80.0075, 0.3326, 0.3228

Rectangle

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



80.0075, 0.3339, 0.3541



80.0075, 0.3109, 0.3503



80.0075, 0.2916, 0.3044



80.0075, 0.3140, 0.3090

Sweetspot

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



80.0110, 0.3339, 0.3541



97.7379, 0.3188, 0.3363



67.9154, 0.3310, 0.3200



20.8302, 0.3200, 0.3377



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.



80.0110, 0.3339, 0.3541



91.2851, 0.3384, 0.3592



83.3414, 0.3276, 0.3627



17.7480, 0.3274, 0.3466



28.1808, 0.4719, 0.4635



2.5010, 0.4635, 0.4702

Inverse Universe

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



68.1194, 0.2915, 0.3026



75.0943, 0.2870, 0.2968



65.2258, 0.2965, 0.2941



15.8733, 0.2980, 0.3108



5.4041, 0.1581, 0.0891



0.6027, 0.1649, 0.1137

Previews

White Background



This preview shows how the Yxy color 80.0075, 0.3339, 0.3541 looks on a white background.

Color Contrast Check

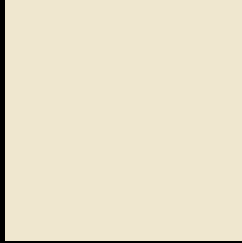
Large Text (above 18pt) WCAG AA × Fail

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 80.0075, 0.3339, 0.3541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

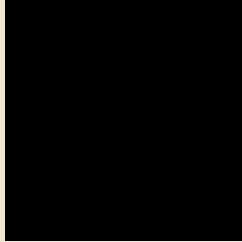
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

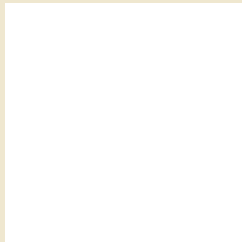
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.0075, 0.3339, 0.3541

Background



This preview shows how black text looks on a background with the Yxy color 80.0075, 0.3339, 0.3541.

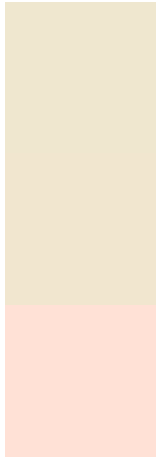


This preview shows how white text looks on a background with the Yxy color 80.0075, 0.3339, 0.3541.

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

80.0075, 0.3339, 0.3541

Protanopia

79.7994, 0.3354, 0.3530

Deuteranopia

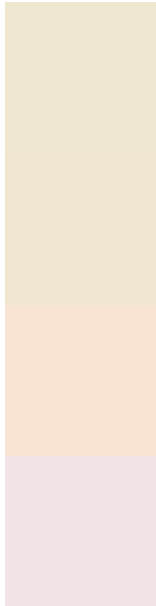
79.9655, 0.3416, 0.3401



Tritanopia

80.0969, 0.3142, 0.3119

Trichromacy



Original Color

80.0075, 0.3339, 0.3541

Protanomaly

79.6239, 0.3347, 0.3530

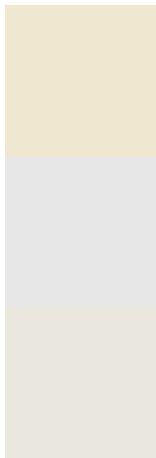
Deuteranomaly

79.7811, 0.3390, 0.3454

Tritanomaly

80.0772, 0.3211, 0.3270

Monochromacy



Original Color

80.0075, 0.3339, 0.3541

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

79.9182, 0.3205, 0.3384

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.0075, 0.3339, 0.3541 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(239, 231, 207)` looks like.

```
.text, #text, p{  
    color:rgb(239, 231, 207)  
}
```

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(239, 231, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 231, 207) }
```

Border

The CSS property to change the border of an element to Yxy 80.0075, 0.3339, 0.3541 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(239, 231, 207) }
```

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

```
.border{ border-color:rgb(239, 231, 207) }
```

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

Here you see how a box with a 4 pixel rgb(239, 231, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 231, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 231, 207);  
box-shadow:4px 4px 4px 4px rgb(239, 231,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 80.0075, 0.3339, 0.3541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 231, 207) }
```

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

```
.background{ background-color: rgb(239,  
231, 207) }
```

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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