

Converting Colors

$Yxy(80.7780, 0.3252, 0.3414)$

Have a look what the booklet for
Yxy(80.7780, 0.3252, 0.3414)
contains.

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Color

Yxy(80.4434, 0.3253, 0.3415)

Conversions

Conversions Part 1

Format	Color
Hex	EEE7DB
RGB	238, 231, 219
RGB Percent	93%, 91%, 86%
CMY	0.0665, 0.0941, 0.1413
CMYK	0.00, 0.03, 0.08, 0.07
HSL	38°, 36%, 90%
HSV	38°, 8%, 93%
XYZ	76.6273, 80.4434, 78.4883
YIQ	231.7250, 8.0240, -2.2480

Conversions

Conversions Part 2

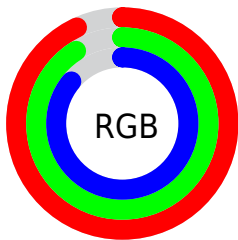
Format	Color
R _Y B	230, 238, 219
Decimal	15656923
CIE Lab	91.88, 0.34, 6.68
CIE LCh	92, 6.688, 87.078
Yxy	80.4434, 0.3253, 0.3415
Android (android.graphics.Color)	4293847003 (0xFFEEE7DB)
YUV	231.7250, -6.2734, 5.5032
Hunter-Lab	89.6902, -4.4555, 10.8983

Details

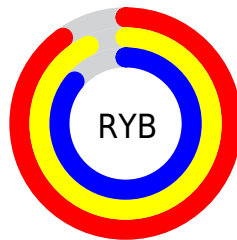
The Yxy color $80.4434, 0.3253, 0.3415$ is a light color, and the websafe version is hex FFFFFF. A complement of this color would be $75.6302, 0.3003, 0.3162$, and the grayscale version is $80.5271, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $43.2854, 0.3282, 0.3438$ is the 20% darker color. If you saturate the color by 10%, you get $74.4854, 0.3426, 0.3578$, and if you desaturate by 10%, it is $86.8347, 0.3098, 0.3260$.

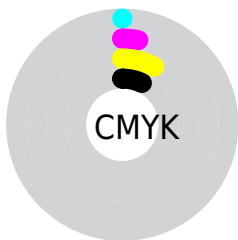
Distribution



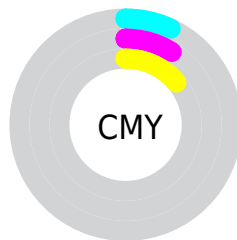
- Red (93%)
- Green (91%)
- Blue (86%)



- Red (90%)
- Yellow (93%)
- Blue (86%)



- Cyan (0%)
- Magenta (3%)
- Yellow (8%)
- Black (7%)



- Cyan (7%)
- Magenta (9%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.4434, 0.3253, 0.3415 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 80.4434, 0.3253, 0.3415 by changing the saturation by 10% instead.

80.4434, 0.3253,
0.3415

80.4434, 0.3253,
0.3415

496.4259, 0.3196,
0.3358

60.0833, 0.3266,
0.3428

133.9890, 0.3233,
0.3395

43.4858, 0.3282,
0.3443

167.9432, 0.3226,
0.3388

30.2664, 0.3302,
0.3463

207.1976, 0.3219,
0.3381

20.0409, 0.3327,
0.3488

252.1365, 0.3213,
0.3375

12.4248, 0.3362,
0.3523

303.1445, 0.3208,
0.3370

7.0337, 0.3411,
0.3571

360.6057, 0.3203,

3.4832, 0.3485,

0.3366

0.3644

424.9047, 0.3199,
0.3362

■ 1.3889, 0.3612,
0.3768

■ 0.2085, 0.4976,
0.5024

■ 80.4434, 0.3253,
0.3415

■ 80.4434, 0.3253,
0.3415

■ 74.4854, 0.3426,
0.3578

■ 86.8347, 0.3098,
0.3260

■ 68.9390, 0.3617,
0.3747

■ 92.8907, 0.3024,
0.3226

■ 63.7959, 0.3824,
0.3914

■ 96.9230, 0.3024,
0.3290

■ 59.0436, 0.4043,
0.4074

■ 54.6687, 0.4268,
0.4215

■ 50.6566, 0.4489,
0.4326

■ 46.9911, 0.4695,
0.4396

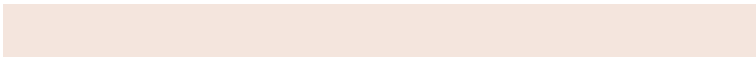
■ 43.6539, 0.4874,
0.4416

■ 40.6209, 0.5020,
0.4384

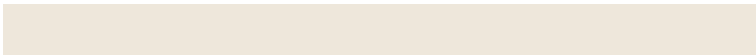
Harmonies

Analogous

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



80.4434, 0.3280, 0.3371



80.4434, 0.3253, 0.3415



80.4434, 0.3192, 0.3425

Triad

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



80.4434, 0.3253, 0.3415



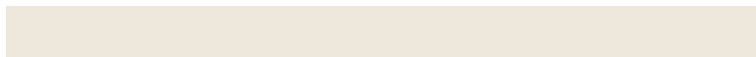
80.4434, 0.2991, 0.3271



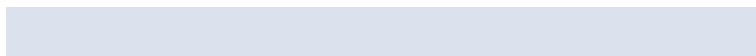
80.4434, 0.3139, 0.3185

Complementary

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



80.4434, 0.3253, 0.3415



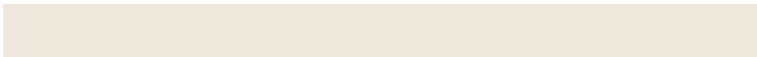
75.6302, 0.3003, 0.3162

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.



80.4434, 0.3061, 0.3159



80.4434, 0.3253, 0.3415



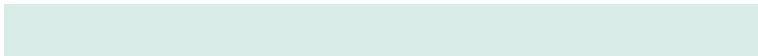
80.4434, 0.2977, 0.3206

Square

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



80.4434, 0.3253, 0.3415



80.4434, 0.3041, 0.3341



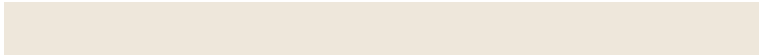
80.4434, 0.3002, 0.3166



80.4434, 0.3214, 0.3240

Rectangle

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



80.4434, 0.3253, 0.3415



80.4434, 0.3141, 0.3411



80.4434, 0.3002, 0.3166



80.4434, 0.3112, 0.3173

Sweetspot

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



80.4469, 0.3253, 0.3415



98.4805, 0.3158, 0.3321



74.3397, 0.3215, 0.3214



21.0949, 0.3156, 0.3319



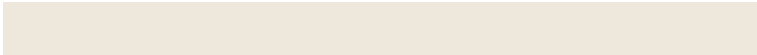
0.0000, 0.0000, 0.0000



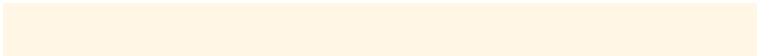
21.4041, 0.3127, 0.3290

Same Dimension

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



80.4469, 0.3253, 0.3415



92.6052, 0.3287, 0.3448



84.0823, 0.3231, 0.3487



17.4209, 0.3277, 0.3439



22.5905, 0.5030, 0.4388



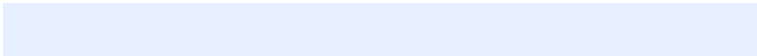
2.0688, 0.4891, 0.4499

Inverse Universe

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



75.6302, 0.3003, 0.3162



85.6429, 0.2971, 0.3127



72.2288, 0.3019, 0.3087



16.1844, 0.2980, 0.3137



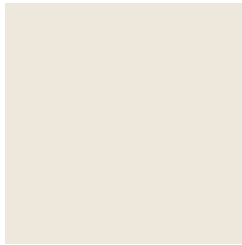
7.5516, 0.1660, 0.1176



0.8123, 0.1733, 0.1437

Previews

White Background



This preview shows how the Yxy color 80.4434, 0.3253, 0.3415 looks on a white background.

Color Contrast Check

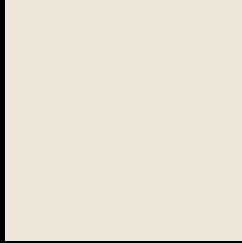
Large Text (above 18pt) WCAG AA × Fail

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 80.4434, 0.3253, 0.3415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

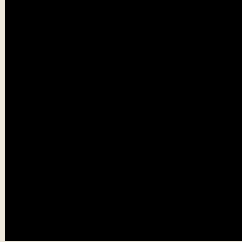
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

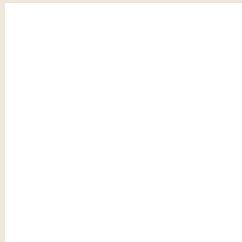
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.4434, 0.3253, 0.3415

Background



This preview shows how black text looks on a background with the Yxy color 80.4434, 0.3253, 0.3415.

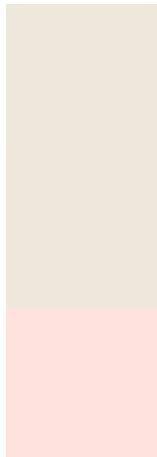


This preview shows how white text looks on a background with the Yxy color 80.4434, 0.3253, 0.3415.

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

80.4434, 0.3253, 0.3415

Protanopia

80.6170, 0.3260, 0.3415

Deuteranopia

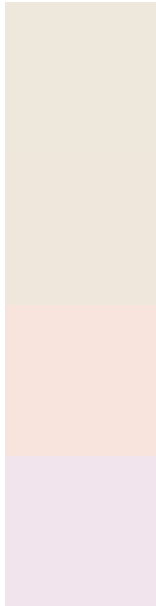
80.3844, 0.3361, 0.3321



Tritanopia

80.4080, 0.3115, 0.3109

Trichromacy



Original Color

80.4434, 0.3253, 0.3415

Protanomaly

80.6170, 0.3260, 0.3415

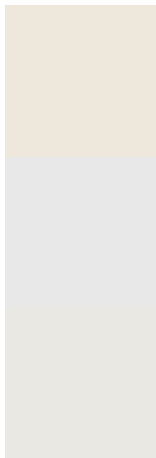
Deuteranomaly

80.2984, 0.3322, 0.3351

Tritanomaly

80.2437, 0.3165, 0.3209

Monochromacy



Original Color

80.4434, 0.3253, 0.3415

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.7517, 0.3172, 0.3342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.4434, 0.3253, 0.3415 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(238, 231, 219)` looks like.

```
.text, #text, p{  
    color:rgb(238, 231, 219)  
}
```

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(238, 231, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 231, 219) }
```

Border

The CSS property to change the border of an element to Yxy 80.4434, 0.3253, 0.3415 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(238, 231, 219) }
```

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

```
.border{ border-color:rgb(238, 231, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 231, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 231, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 231, 219);  
box-shadow:4px 4px 4px 4px rgb(238, 231,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 80.4434, 0.3253, 0.3415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 231, 219) }
```

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

```
.background{ background-color: rgb(238,  
231, 219) }
```

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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