

Converting Colors

$Yxy(79.8404, 0.3296, 0.3479)$

Have a look what the booklet for
Yxy(79.8404, 0.3296, 0.3479)
contains.

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Color

Yxy(80.0824, 0.3299, 0.3489)

Conversions

Conversions Part 1

Format	Color
Hex	EEE7D4
RGB	238, 231, 212
RGB Percent	93%, 91%, 83%
CMY	0.0666, 0.0941, 0.1688
CMYK	0.00, 0.03, 0.11, 0.07
HSL	44°, 43%, 88%
HSV	44°, 11%, 93%
XYZ	75.7214, 80.0824, 73.7245
YIQ	230.9270, 10.2710, -4.4250

Conversions

Conversions Part 2

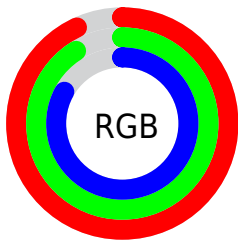
Format	Color
RYB	222, 238, 212
Decimal	15656916
CIELab	91.72, -0.80, 10.10
CIELCh	92, 10.137, 94.547
Yxy	80.0824, 0.3299, 0.3489
Android (android.graphics.Color)	4293846996 (0xFFEEE7D4)
YUV	230.9270, -9.3310, 6.2030
Hunter-Lab	89.4888, -5.5667, 13.7966

Details

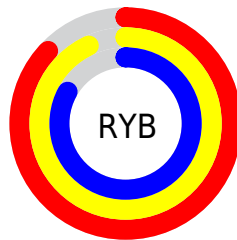
The Yxy color **80.0824, 0.3299, 0.3489** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **70.8190, 0.2956, 0.3083**, and the grayscale version is **79.9215, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.0393, 0.3342, 0.3533** is the 20% darker color. If you saturate the color by 10%, you get **75.4471, 0.3470, 0.3679**, and if you desaturate by 10%, it is **85.0334, 0.3141, 0.3307**.

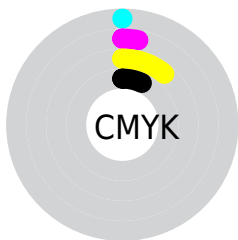
Distribution



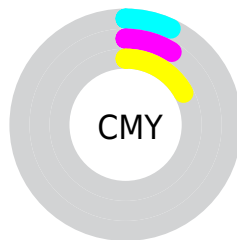
- Red (93%)
- Green (91%)
- Blue (83%)



- Red (87%)
- Yellow (93%)
- Blue (83%)



- Cyan (0%)
- Magenta (3%)
- Yellow (11%)
- Black (7%)



- Cyan (7%)
- Magenta (9%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.0824, 0.3299, 0.3489 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 80.0824, 0.3299, 0.3489 by changing the saturation by 10% instead.

80.0824, 0.3299,
0.3489

80.0824, 0.3299,
0.3489

495.2105, 0.3221,
0.3398

59.7862, 0.3317,
0.3509

133.4816, 0.3272,
0.3458

43.2463, 0.3338,
0.3534

167.3533, 0.3262,
0.3446

30.0784, 0.3365,
0.3566

206.5190, 0.3253,
0.3435

19.8981, 0.3400,
0.3607

251.3630, 0.3245,
0.3426

12.3210, 0.3447,
0.3662

302.2698, 0.3238,
0.3418

6.9627, 0.3513,
0.3739


359.6237, 0.3231,


3.4388, 0.3612,


0.3411


423.8091, 0.3226,
0.3404


0.3857


 1.3649, 0.3803,
0.4083


 0.1906, 0.4587,
0.5413


 80.0824, 0.3299,
0.3489


 80.0824, 0.3299,
0.3489

 75.4471, 0.3470,
0.3679

 85.0334, 0.3141,
0.3307


 71.1078, 0.3654,
0.3871

 90.0008, 0.3024,
0.3179

 67.0584, 0.3845,
0.4059

 93.9247, 0.3024,
0.3243

 63.2884, 0.4040,
0.4235

 96.9218, 0.3024,
0.3290

■ 59.7865, 0.4230,
0.4387

■ 56.5402, 0.4407,
0.4505

■ 53.5353, 0.4562,
0.4579

■ 50.7552, 0.4687,
0.4604

■ 48.4100, 0.4776,
0.4589

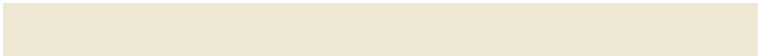
Harmonies

Analogous

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



80.0824, 0.3355, 0.3433



80.0824, 0.3299, 0.3489



80.0824, 0.3197, 0.3492

Triad

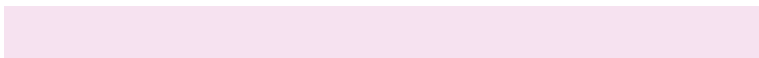
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.0824, 0.3299, 0.3489



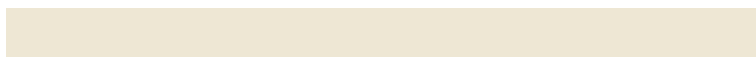
80.0824, 0.2910, 0.3233



80.0824, 0.3174, 0.3150

Complementary

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



80.0824, 0.3299, 0.3489



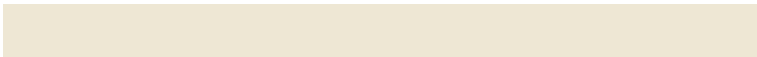
70.8190, 0.2956, 0.3083

Split Complementary

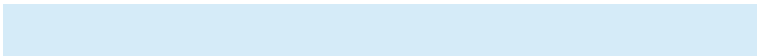
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.0824, 0.3055, 0.3097



80.0824, 0.3299, 0.3489



80.0824, 0.2904, 0.3143

Square

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



80.0824, 0.3299, 0.3489



80.0824, 0.2973, 0.3341



80.0824, 0.2956, 0.3094



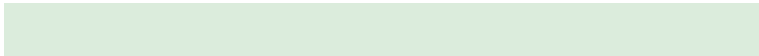
80.0824, 0.3283, 0.3238

Rectangle

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



80.0824, 0.3299, 0.3489



80.0824, 0.3117, 0.3461



80.0824, 0.2956, 0.3094



80.0824, 0.3134, 0.3127

Sweetspot

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



80.0859, 0.3299, 0.3489



98.2088, 0.3173, 0.3344



70.3800, 0.3270, 0.3213



20.9195, 0.3185, 0.3358



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.



80.0859, 0.3299, 0.3489



92.4783, 0.3334, 0.3528



83.1351, 0.3252, 0.3563



17.6965, 0.3275, 0.3462



27.2260, 0.4765, 0.4598



2.4283, 0.4673, 0.4672

Inverse Universe

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



70.8190, 0.2956, 0.3083



79.7563, 0.2921, 0.3040



68.0849, 0.2994, 0.3008



15.9216, 0.2980, 0.3112



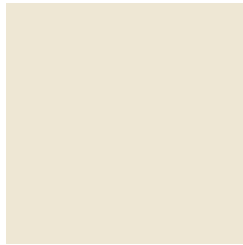
5.6804, 0.1592, 0.0929



0.6315, 0.1661, 0.1180

Previews

White Background



This preview shows how the Yxy color 80.0824, 0.3299, 0.3489 looks on a white background.

Color Contrast Check

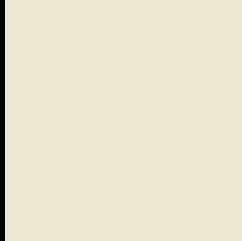
Large Text (above 18pt) WCAG AA × Fail

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 80.0824, 0.3299, 0.3489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

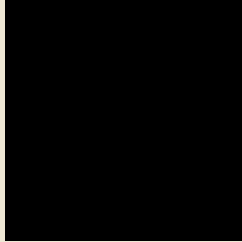
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

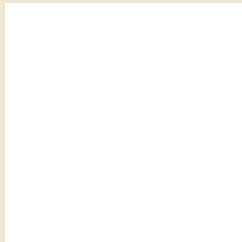
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.0824, 0.3299, 0.3489

Background



This preview shows how black text looks on a background with the Yxy color 80.0824, 0.3299, 0.3489.

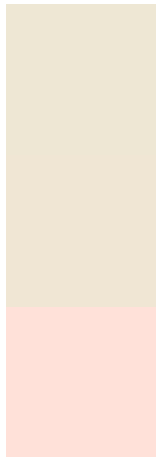


This preview shows how white text looks on a background with the Yxy color 80.0824, 0.3299, 0.3489.

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

80.0824, 0.3299, 0.3489

Protanopia

79.8724, 0.3314, 0.3478

Deuteranopia

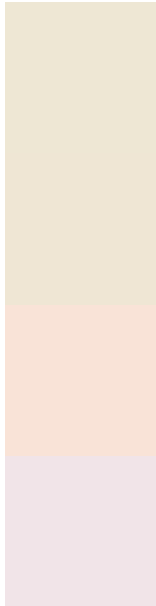
80.1202, 0.3395, 0.3371



Tritanopia

79.9791, 0.3129, 0.3109

Trichromacy



Original Color

80.0824, 0.3299, 0.3489

Protanomaly

79.6978, 0.3307, 0.3478

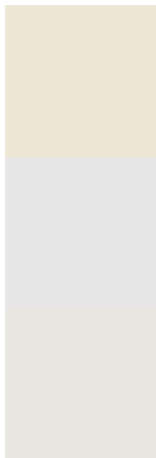
Deuteranomaly

79.9842, 0.3362, 0.3413

Tritanomaly

80.0138, 0.3191, 0.3249

Monochromacy



Original Color

80.0824, 0.3299, 0.3489

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.0261, 0.3192, 0.3363

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.0824, 0.3299, 0.3489 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, 212)` looks like.

```
.text, #text, p{  
    color:rgb(238, 231, 212)  
}
```

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, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 231, 212) }
```

Border

The CSS property to change the border of an element to Yxy 80.0824, 0.3299, 0.3489 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, 212) }
```

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

```
.border{ border-color:rgb(238, 231, 212) }
```

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, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 231, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 231, 212);  
box-shadow:4px 4px 4px 4px rgb(238, 231,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 80.0824, 0.3299, 0.3489 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, 212) }
```

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

```
.background{ background-color: rgb(238,  
231, 212) }
```

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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