

Converting Colors

$Y_{xy}(80.6286, 0.3305, 0.3364)$

Have a look what the booklet for
Yxy(80.6286, 0.3305, 0.3364)
contains.

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Color

Yxy(80.4814, 0.3306, 0.3362)

Conversions

Conversions Part 1

Format	Color
Hex	F7E4DD
RGB	247, 228, 221
RGB Percent	97%, 89%, 87%
CMY	0.0315, 0.1058, 0.1334
CMYK	0.00, 0.08, 0.11, 0.03
HSL	16°, 62%, 92%
HSV	16°, 11%, 97%
XYZ	79.1408, 80.4814, 79.7632
YIQ	232.8830, 13.5710, 1.8510

Conversions

Conversions Part 2

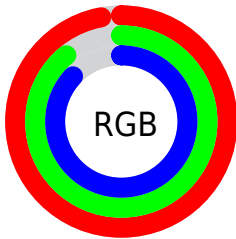
Format	Color
R _Y B	247, 231, 221
Decimal	16245981
CIE Lab	91.90, 5.30, 5.74
CIE LCh	92, 7.816, 47.289
Yxy	80.4814, 0.3306, 0.3362
Android (android.graphics.Color)	4294436061 (0xFFFF7E4DD)
YUV	232.8830, -5.8583, 12.3806
Hunter-Lab	89.7114, 0.4726, 10.0827

Details

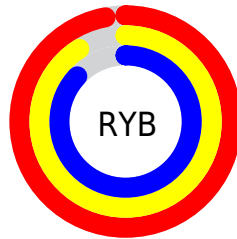
The Yxy color **80.4814, 0.3306, 0.3362** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **84.3648, 0.2964, 0.3217**, and the grayscale version is **81.4287, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.7167, 0.3351, 0.3382** is the 20% darker color. If you saturate the color by 10%, you get **69.8629, 0.3510, 0.3435**, and if you desaturate by 10%, it is **92.3332, 0.3135, 0.3293**.

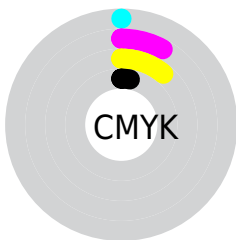
Distribution



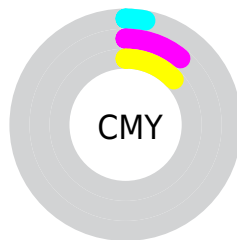
- Red (97%)
- Green (89%)
- Blue (87%)



- Red (97%)
- Yellow (91%)
- Blue (87%)



- Cyan (0%)
- Magenta (8%)
- Yellow (11%)
- Black (3%)





- Cyan (3%)
- Magenta (11%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.4814, 0.3306, 0.3362 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 80.4814, 0.3306, 0.3362 by changing the saturation by 10% instead.


 80.4814, 0.3306,
0.3362

 80.4814, 0.3306,
0.3362


496.5537, 0.3224,
0.3330

 60.1146, 0.3324,
0.3369


134.0423, 0.3278,
0.3351

 43.5110, 0.3347,
0.3378

168.0053, 0.3267,
0.3347

 30.2863, 0.3376,
0.3388


207.2690, 0.3257,
0.3343

 20.0560, 0.3412,
0.3402

252.2179, 0.3249,
0.3340

 12.4357, 0.3462,
0.3420

303.2365, 0.3242,
0.3337

 7.0412, 0.3533,
0.3445

360.7090, 0.3235,

 3.4879, 0.3642,

0.3334

0.3482

425.0200, 0.3230,
0.3332

■ 1.3914, 0.3829,
0.3539

■ 0.2104, 0.6102,
0.3898

■ 80.4814, 0.3306,
0.3362

■ 80.4814, 0.3306,
0.3362

■ 69.8629, 0.3510,
0.3435

■ 92.3332, 0.3135,
0.3293

■ 60.4272, 0.3753,
0.3511

■ 98.5071, 0.3078,
0.3290

■ 52.1358, 0.4039,
0.3586

■ 44.9440, 0.4369,
0.3653

■ 38.8042, 0.4737,
0.3705

■ 33.6651, 0.5125,
0.3730

■ 29.4707, 0.5502,
0.3717

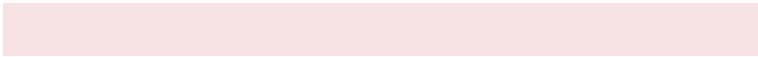
■ 26.1587, 0.5827,
0.3658

■ 23.7617, 0.6061,
0.3570

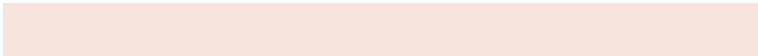
Harmonies

Analogous

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



80.4814, 0.3274, 0.3284



80.4814, 0.3306, 0.3362



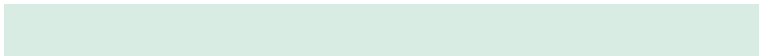
80.4814, 0.3290, 0.3423

Triad

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



80.4814, 0.3306, 0.3362



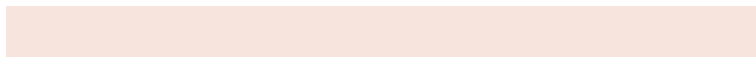
80.4814, 0.3052, 0.3374



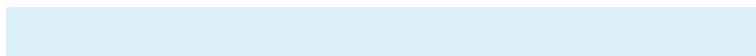
80.4814, 0.3024, 0.3135

Complementary

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



80.4814, 0.3306, 0.3362



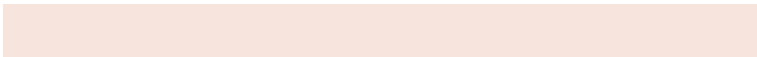
84.3648, 0.2964, 0.3217

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.



80.4814, 0.2967, 0.3156



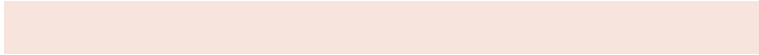
80.4814, 0.3306, 0.3362



80.4814, 0.2983, 0.3294

Square

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



80.4814, 0.3306, 0.3362



80.4814, 0.3142, 0.3432



80.4814, 0.2952, 0.3214



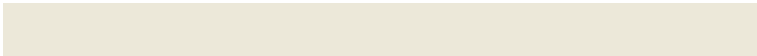
80.4814, 0.3110, 0.3154

Rectangle

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



80.4814, 0.3306, 0.3362



80.4814, 0.3254, 0.3445



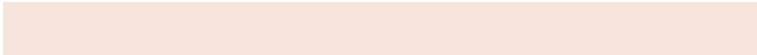
80.4814, 0.2952, 0.3214



80.4814, 0.3001, 0.3137

Sweetspot

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



80.4849, 0.3306, 0.3362



96.0085, 0.3175, 0.3310



77.7692, 0.3185, 0.3099



20.3259, 0.3188, 0.3315



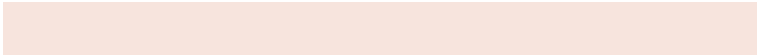
0.0000, 0.0000, 0.0000



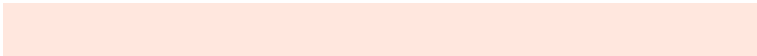
21.4041, 0.3127, 0.3290

Same Dimension

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



80.4849, 0.3306, 0.3362



83.5777, 0.3354, 0.3380



87.8395, 0.3291, 0.3491



17.2121, 0.3287, 0.3355



12.7715, 0.6032, 0.3593



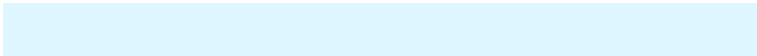
1.2860, 0.5789, 0.3786

Inverse Universe

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



84.3648, 0.2964, 0.3217



88.6549, 0.2925, 0.3198



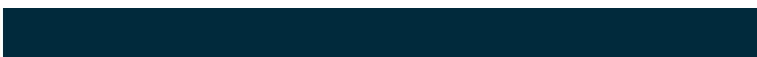
77.0503, 0.2963, 0.3081



17.9548, 0.2980, 0.3224



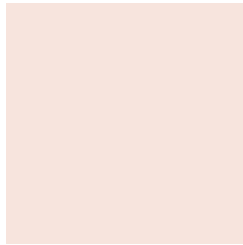
21.0960, 0.1996, 0.2386



2.0238, 0.2031, 0.2513

Previews

White Background



This preview shows how the Yxy color 80.4814, 0.3306, 0.3362 looks on a white background.

Color Contrast Check

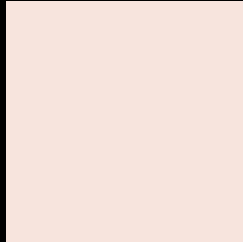
Large Text (above 18pt) WCAG AA × Fail

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 80.4814, 0.3306, 0.3362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

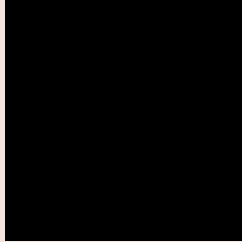
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

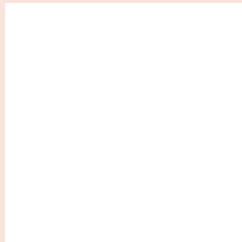
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.4814, 0.3306, 0.3362

Background



This preview shows how black text looks on a background with the Yxy color 80.4814, 0.3306, 0.3362.

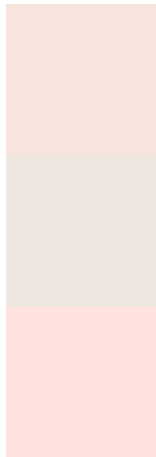


This preview shows how white text looks on a background with the Yxy color 80.4814, 0.3306, 0.3362.

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

80.4814, 0.3306, 0.3362

Protanopia

80.6567, 0.3227, 0.3373

Deuteranopia

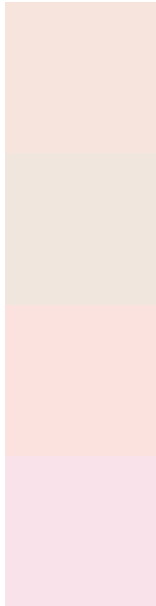
80.4381, 0.3354, 0.3311



Tritanopia

80.5852, 0.3191, 0.3121

Trichromacy



Original Color

80.4814, 0.3306, 0.3362

Protanomaly

80.5683, 0.3255, 0.3373

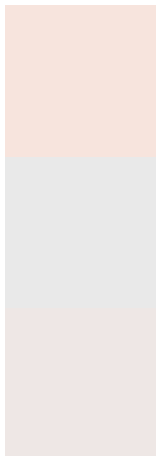
Deuteranomaly

80.3621, 0.3338, 0.3331

Tritanomaly

80.4730, 0.3236, 0.3210

Monochromacy



Original Color

80.4814, 0.3306, 0.3362

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

80.9861, 0.3188, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.4814, 0.3306, 0.3362 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(247, 228, 221)` looks like.

```
.text, #text, p{  
    color:rgb(247, 228, 221)  
}
```

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(247, 228, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 228, 221) }
```

Border

The CSS property to change the border of an element to Yxy 80.4814, 0.3306, 0.3362 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(247, 228, 221) }
```

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

```
.border{ border-color:rgb(247, 228, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 228, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 228, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 228, 221);  
box-shadow:4px 4px 4px 4px rgb(247, 228,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 80.4814, 0.3306, 0.3362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 228, 221) }
```

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

```
.background{ background-color: rgb(247,  
228, 221) }
```

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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