

Converting Colors

$Y_{xy}(80.3502, 0.3364, 0.3433)$

Have a look what the booklet for
Yxy(80.3502, 0.3364, 0.3433)
contains.

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Color

Yxy(80.2983, 0.3361, 0.3434)

Conversions

Conversions Part 1

Format	Color
Hex	F8E4D6
RGB	248, 228, 214
RGB Percent	97%, 89%, 84%
CMY	0.0274, 0.1059, 0.1610
CMYK	0.00, 0.08, 0.14, 0.03
HSL	25°, 71%, 91%
HSV	25°, 14%, 97%
XYZ	78.5913, 80.2983, 74.9435
YIQ	232.3840, 16.4140, -0.1140

Conversions

Conversions Part 2

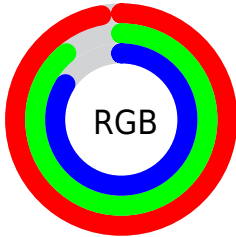
Format	Color
R _Y B	248, 238, 214
Decimal	16311510
CIE Lab	91.82, 4.56, 9.31
CIE LCh	92, 10.367, 63.887
Yxy	80.2983, 0.3361, 0.3434
Android (android.graphics.Color)	4294501590 (0xFFFF8E4D6)
YUV	232.3840, -9.0633, 13.6952
Hunter-Lab	89.6093, -0.2639, 13.1401

Details

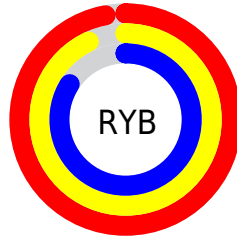
The Yxy color **80.2983, 0.3361, 0.3434** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **79.8926, 0.2913, 0.3142**, and the grayscale version is **81.0601, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.4667, 0.3412, 0.3475** is the 20% darker color. If you saturate the color by 10%, you get **71.4480, 0.3564, 0.3546**, and if you desaturate by 10%, it is **90.0243, 0.3186, 0.3328**.

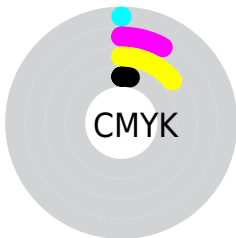
Distribution



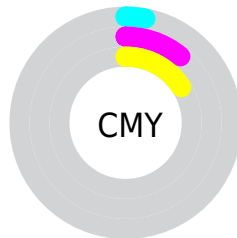
- Red (97%)
- Green (89%)
- Blue (84%)



- Red (97%)
- Yellow (93%)
- Blue (84%)



- Cyan (0%)
- Magenta (8%)
- Yellow (14%)
- Black (3%)




- Cyan (3%)
- Magenta (11%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.2983, 0.3361, 0.3434 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 80.2983, 0.3361, 0.3434 by changing the saturation by 10% instead.

 80.2983, 0.3361,
0.3434

 80.2983, 0.3361,
0.3434

495.9376, 0.3254,
0.3369

 59.9639, 0.3385,
0.3448


133.7850, 0.3324,
0.3412

 43.3895, 0.3415,
0.3466


167.7061, 0.3310,
0.3403

 30.1908, 0.3452,
0.3488


206.9249, 0.3297,
0.3396

 19.9835, 0.3500,
0.3515

251.8257, 0.3287,
0.3389

 12.3830, 0.3565,
0.3552

302.7930, 0.3277,
0.3383

 7.0051, 0.3658,
0.3603

360.2111, 0.3269,

 3.4653, 0.3798,

0.3378

0.3679

424.4645, 0.3261,
0.3374

■ 1.3792, 0.4051,
0.3811

■ 0.2013, 0.6006,
0.3994

■ 80.2983, 0.3361,
0.3434

■ 80.2983, 0.3361,
0.3434

■ 71.4480, 0.3564,
0.3546

■ 90.0243, 0.3186,
0.3328

■ 63.4373, 0.3798,
0.3660

■ 98.6992, 0.3084,
0.3290

■ 56.2434, 0.4064,
0.3771

■ 49.8380, 0.4358,
0.3870

■ 44.1911, 0.4673,
0.3948

■ 39.2704, 0.4993,
0.3990

■ 35.0405, 0.5295,
0.3984

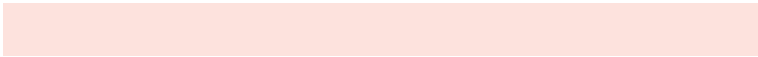
■ 31.4617, 0.5554,
0.3923

■ 29.5241, 0.5691,
0.3863

Harmonies

Analogous

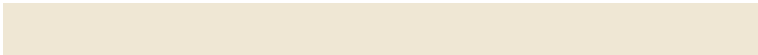
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.2983, 0.3354, 0.3339



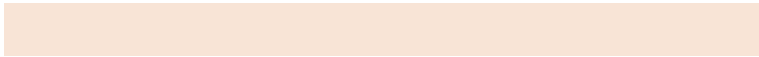
80.2983, 0.3361, 0.3434



80.2983, 0.3305, 0.3493

Triad

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



80.2983, 0.3361, 0.3434



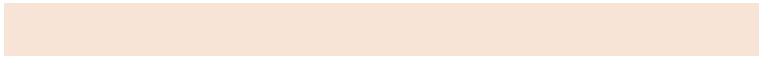
80.2983, 0.2972, 0.3345



80.2983, 0.3050, 0.3093

Complementary

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



80.2983, 0.3361, 0.3434



79.8926, 0.2913, 0.3142

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.



80.2983, 0.2951, 0.3091



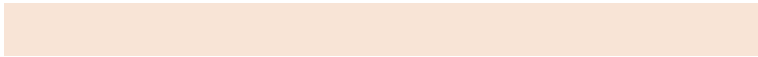
80.2983, 0.3361, 0.3434



80.2983, 0.2906, 0.3234

Square

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



80.2983, 0.3361, 0.3434



80.2983, 0.3079, 0.3442



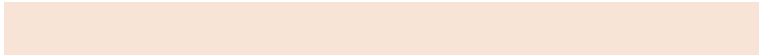
80.2983, 0.2899, 0.3141



80.2983, 0.3172, 0.3145

Rectangle

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



80.2983, 0.3361, 0.3434



80.2983, 0.3239, 0.3502



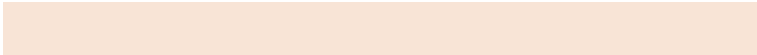
80.2983, 0.2899, 0.3141



80.2983, 0.3013, 0.3086

Sweetspot

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



80.3019, 0.3361, 0.3434



95.5966, 0.3190, 0.3331



73.9923, 0.3236, 0.3083



20.2880, 0.3203, 0.3338



0.0000, 0.0000, 0.0000



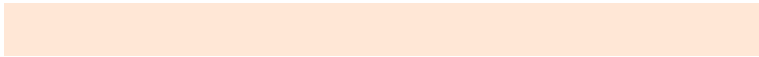
21.4041, 0.3127, 0.3290

Same Dimension

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



80.3019, 0.3361, 0.3434



83.2947, 0.3405, 0.3459



89.8805, 0.3338, 0.3598



18.4013, 0.3284, 0.3388



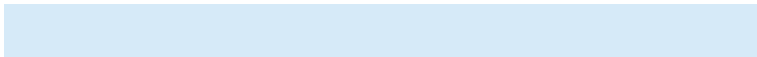
16.2074, 0.5663, 0.3885



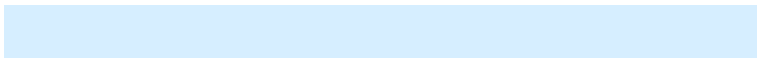
1.7043, 0.5449, 0.4056

Inverse Universe

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



79.8926, 0.2913, 0.3142



82.7935, 0.2877, 0.3115



70.8792, 0.2907, 0.2962



18.3378, 0.2980, 0.3190



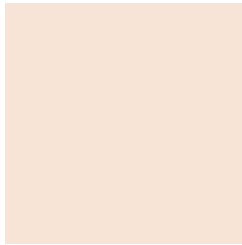
14.9982, 0.1855, 0.1877



1.5980, 0.1906, 0.2062

Previews

White Background



This preview shows how the Yxy color 80.2983, 0.3361, 0.3434 looks on a white background.

Color Contrast Check

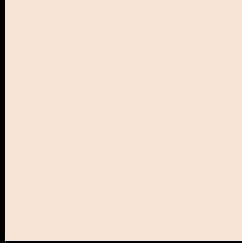
Large Text (above 18pt) WCAG AA × Fail

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 80.2983, 0.3361, 0.3434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

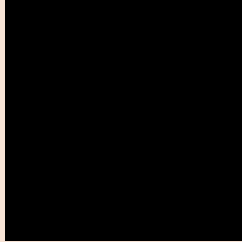
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

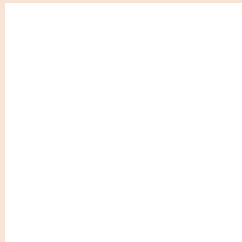
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.2983, 0.3361, 0.3434

Background



This preview shows how black text looks on a background with the Yxy color 80.2983, 0.3361, 0.3434.

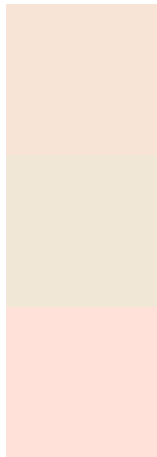


This preview shows how white text looks on a background with the Yxy color 80.2983, 0.3361, 0.3434.

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

80.2983, 0.3361, 0.3434

Protanopia

80.5834, 0.3293, 0.3456

Deuteranopia

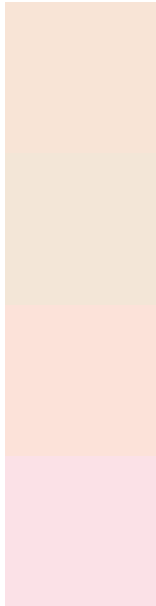
80.1724, 0.3388, 0.3361



Tritanopia

80.3576, 0.3212, 0.3122

Trichromacy



Original Color

80.2983, 0.3361, 0.3434

Protanomaly

80.5546, 0.3315, 0.3445

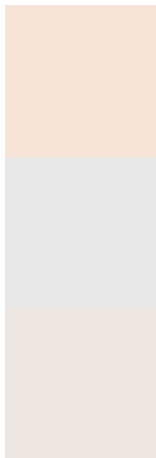
Deuteranomaly

80.0979, 0.3372, 0.3382

Tritanomaly

80.1292, 0.3271, 0.3230

Monochromacy



Original Color

80.2983, 0.3361, 0.3434

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.7652, 0.3214, 0.3352

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.2983, 0.3361, 0.3434 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(248, 228, 214)` looks like.

```
.text, #text, p{  
    color:rgb(248, 228, 214)  
}
```

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(248, 228, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 228, 214) }
```

Border

The CSS property to change the border of an element to Yxy 80.2983, 0.3361, 0.3434 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(248, 228, 214) }
```

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

```
.border{ border-color:rgb(248, 228, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 228, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 228, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 228, 214);  
box-shadow:4px 4px 4px 4px rgb(248, 228,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 80.2983, 0.3361, 0.3434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 228, 214) }
```

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

```
.background{ background-color: rgb(248,  
228, 214) }
```

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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