

Converting Colors

$Y_{xy}(100.0000, 0.4020, 0.3361)$

Have a look what the booklet for
Yxy(100.0000, 0.4020, 0.3361)
contains.

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Color

Yxy(80.0683, 0.3402, 0.3381)

Conversions

Conversions Part 1

Format	Color
Hex	FFE1D8
RGB	255, 225, 216
RGB Percent	100%, 88%, 85%
CMY	0.0000, 0.1176, 0.1529
CMYK	0.00, 0.12, 0.15, 0.00
HSL	14°, 100%, 92%
HSV	14°, 15%, 100%
XYZ	80.5656, 80.0683, 76.1845
YIQ	232.9440, 20.7690, 3.5610

Conversions

Conversions Part 2

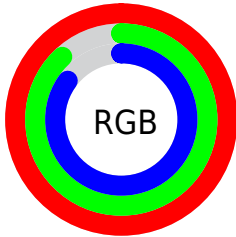
Format	Color
R_{YB}	255, 228, 216
Decimal	16769496
CIE _{Lab}	91.72, 8.90, 8.16
CIE _{LCh}	92, 12.079, 42.508
Yxy	80.0683, 0.3402, 0.3381
Android (android.graphics.Color)	4294959576 (0xFFFFE1D8)
YUV	232.9440, -8.3534, 19.3431
Hunter-Lab	89.4809, 4.1239, 12.1568

Details

The Yxy color **80.0683, 0.3402, 0.3381** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **87.7436, 0.2891, 0.3197**, and the grayscale version is **81.4937, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.3284, 0.3467, 0.3407** is the 20% darker color. If you saturate the color by 10%, you get **68.8427, 0.3629, 0.3445**, and if you desaturate by 10%, it is **92.7191, 0.3213, 0.3320**.

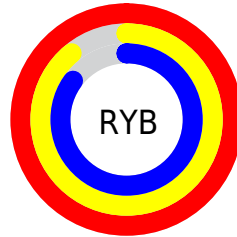
Distribution



Red (100%)

Green (88%)

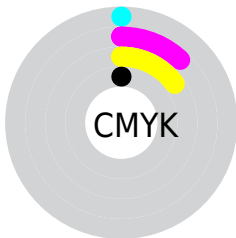
Blue (85%)



Red (100%)

Yellow (89%)

Blue (85%)

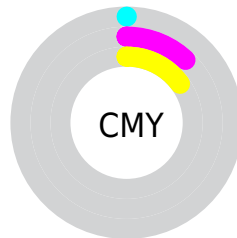


Cyan (0%)

Magenta (12%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (12%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.0683, 0.3402, 0.3381 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 80.0683, 0.3402, 0.3381 by changing the saturation by 10% instead.

 80.0683, 0.3402,
0.3381

 80.0683, 0.3402,
0.3381


495.1630, 0.3276,
0.3341

 59.7746, 0.3430,
0.3390


133.4618, 0.3359,
0.3368

 43.2369, 0.3465,
0.3400


167.3303, 0.3342,
0.3362

 30.0711, 0.3510,
0.3413


206.4925, 0.3327,
0.3358

 19.8925, 0.3567,
0.3429

251.3328, 0.3314,
0.3353

 12.3170, 0.3644,
0.3450

302.2356, 0.3303,
0.3350

 6.9599, 0.3754,
0.3478

359.5853, 0.3293,

 3.4370, 0.3922,

0.3347

0.3517

423.7663, 0.3284,
0.3344

■ 1.3639, 0.4217,
0.3576

■ 0.1899, 0.6769,
0.3231

■ 80.0683, 0.3402,
0.3381

■ 80.0683, 0.3402,
0.3381

■ 68.8427, 0.3629,
0.3445

■ 92.7191, 0.3213,
0.3320

■ 58.9902, 0.3900,
0.3510

100.0000, 0.3127,
0.3290

■ 50.4577, 0.4218,
0.3572

■ 43.1883, 0.4583,
0.3623

■ 37.1205, 0.4982,
0.3655

■ 32.1875, 0.5387,
0.3657

■ 28.3156, 0.5757,
0.3619

■ 25.4215, 0.6044,
0.3542

■ 24.3631, 0.6148,
0.3500

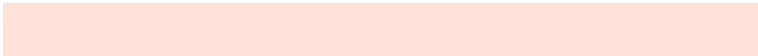
Harmonies

Analogous

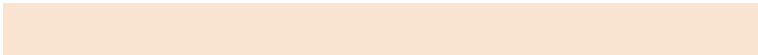
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.0683, 0.3340, 0.3259



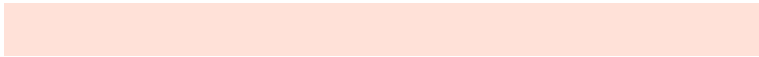
80.0683, 0.3402, 0.3381



80.0683, 0.3388, 0.3483

Triad

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



80.0683, 0.3402, 0.3381



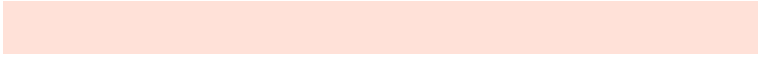
80.0683, 0.3031, 0.3439



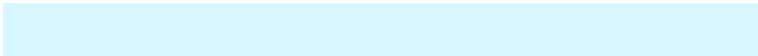
80.0683, 0.2950, 0.3052

Complementary

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



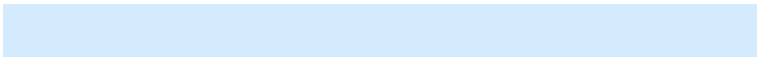
80.0683, 0.3402, 0.3381



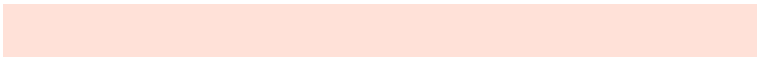
87.7436, 0.2891, 0.3197

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.



80.0683, 0.2872, 0.3093



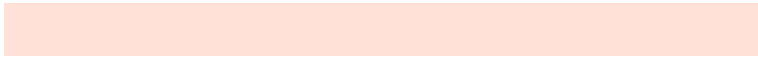
80.0683, 0.3402, 0.3381



80.0683, 0.2918, 0.3316

Square

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



80.0683, 0.3402, 0.3381



80.0683, 0.3172, 0.3520



80.0683, 0.2860, 0.3189



80.0683, 0.3077, 0.3073

Rectangle

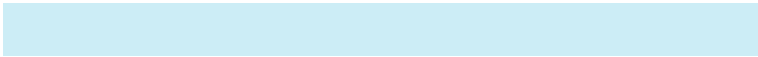
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



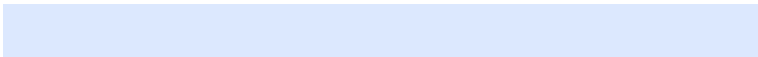
80.0683, 0.3402, 0.3381



80.0683, 0.3338, 0.3524



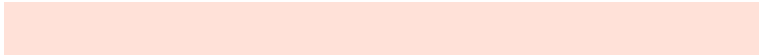
80.0683, 0.2860, 0.3189



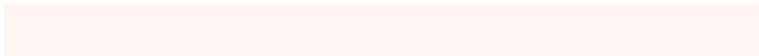
80.0683, 0.2918, 0.3059

Sweetspot

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



80.0688, 0.3402, 0.3381



93.1044, 0.3209, 0.3319



77.0682, 0.3202, 0.2990



19.7271, 0.3221, 0.3323



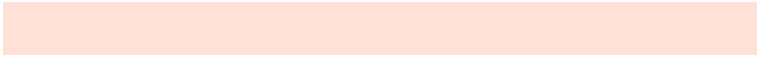
0.0000, 0.0000, 0.0000



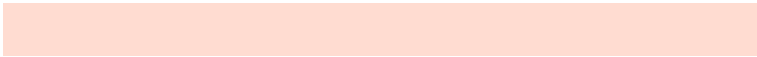
21.4041, 0.3127, 0.3290

Same Dimension

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



80.0688, 0.3402, 0.3381



76.8851, 0.3459, 0.3398



90.8929, 0.3373, 0.3566



18.6660, 0.3289, 0.3345



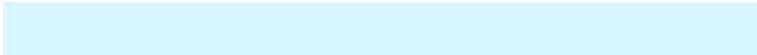
12.9153, 0.6122, 0.3521



1.4146, 0.5908, 0.3691

Inverse Universe

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



87.7436, 0.2891, 0.3197



85.7465, 0.2849, 0.3179



76.7936, 0.2883, 0.2998



19.7299, 0.2980, 0.3234



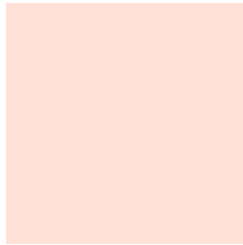
24.6966, 0.2035, 0.2527



2.5690, 0.2062, 0.2624

Previews

White Background



This preview shows how the Yxy color 80.0683, 0.3402, 0.3381 looks on a white background.

Color Contrast Check

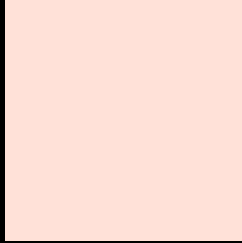
Large Text (above 18pt) WCAG AA × Fail

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 80.0683, 0.3402, 0.3381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

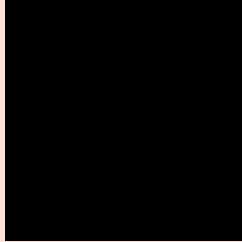
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.0683, 0.3402, 0.3381

Background



This preview shows how black text looks on a background with the Yxy color 80.0683, 0.3402, 0.3381.

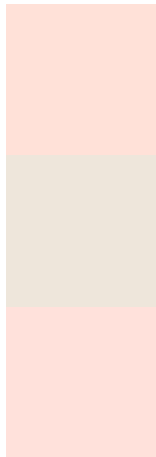


This preview shows how white text looks on a background with the Yxy color 80.0683, 0.3402, 0.3381.

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

80.0683, 0.3402, 0.3381

Protanopia

79.8852, 0.3254, 0.3405

Deuteranopia

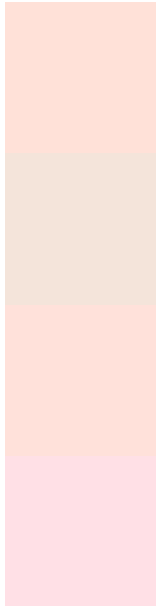
80.2249, 0.3381, 0.3351



Tritanopia

80.2084, 0.3254, 0.3142

Trichromacy



Original Color

80.0683, 0.3402, 0.3381

Protanomaly

79.7819, 0.3305, 0.3393

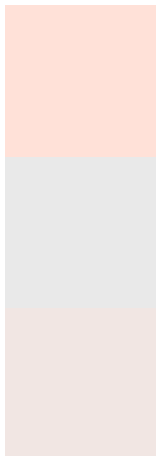
Deuteranomaly

80.1724, 0.3388, 0.3361

Tritanomaly

80.2845, 0.3307, 0.3231

Monochromacy



Original Color

80.0683, 0.3402, 0.3381

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

80.8405, 0.3222, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.0683, 0.3402, 0.3381 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(255, 225, 216)` looks like.

```
.text, #text, p{  
    color:rgb(255, 225, 216)  
}
```

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(255, 225, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 225, 216) }
```

Border

The CSS property to change the border of an element to Yxy 80.0683, 0.3402, 0.3381 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(255, 225, 216) }
```

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

```
.border{ border-color:rgb(255, 225, 216) }
```

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

Here you see how a box with a 4 pixel rgb(255, 225, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 225, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 225, 216);  
box-shadow:4px 4px 4px 4px rgb(255, 225,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 80.0683, 0.3402, 0.3381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 225, 216) }
```

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

```
.background{ background-color: rgb(255,  
225, 216) }
```

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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