

Converting Colors

$Y_{xy}(121.5615, 0.4453, 0.3358)$

Have a look what the booklet for
Yxy(121.5615, 0.4453, 0.3358)
contains.

Yxy(80.0167, 0.3409, 0.3391)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(80.0167, 0.3409, 0.3391)

Conversions

Conversions Part 1

Format	Color
Hex	FFE1D7
RGB	255, 225, 215
RGB Percent	100%, 88%, 84%
CMY	0.0000, 0.1177, 0.1568
CMYK	0.00, 0.12, 0.16, 0.00
HSL	15°, 100%, 92%
HSV	15°, 16%, 100%
XYZ	80.4414, 80.0167, 75.5097
YIQ	232.8300, 21.0900, 3.2500

Conversions

Conversions Part 2

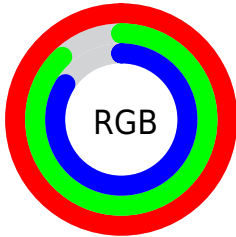
Format	Color
R _Y B	255, 228, 215
Decimal	16769495
CIE Lab	91.69, 8.76, 8.65
CIE LCh	92, 12.310, 44.627
Yxy	80.0167, 0.3409, 0.3391
Android (android.graphics.Color)	4294959575 (0xFFFFE1D7)
YUV	232.8300, -8.7902, 19.4431
Hunter-Lab	89.4521, 3.9784, 12.5676

Details

The Yxy color **80.0167, 0.3409, 0.3391** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **86.9936, 0.2885, 0.3187**, and the grayscale version is **81.4045, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.2933, 0.3476, 0.3420** is the 20% darker color. If you saturate the color by 10%, you get **69.0288, 0.3635, 0.3460**, and if you desaturate by 10%, it is **92.3644, 0.3220, 0.3325**.

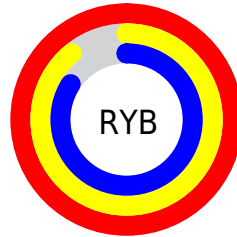
Distribution



Red (100%)

Green (88%)

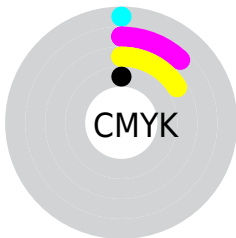
Blue (84%)



Red (100%)

Yellow (89%)

Blue (84%)

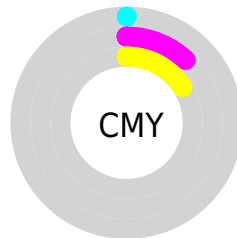


Cyan (0%)

Magenta (12%)

Yellow (16%)

Black (0%)



Cyan (0%)


Magenta (12%)


Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.0167, 0.3409, 0.3391 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 80.0167, 0.3409, 0.3391 by changing the saturation by 10% instead.

 80.0167, 0.3409,
0.3391

 80.0167, 0.3409,
0.3391

494.9891, 0.3280,
0.3347

 59.7321, 0.3438,
0.3401

133.3892, 0.3364,
0.3376

 43.2027, 0.3474,
0.3412


167.2459, 0.3347,
0.3370

 30.0442, 0.3519,
0.3427


206.3954, 0.3332,
0.3365

 19.8722, 0.3578,
0.3445


251.2222, 0.3319,
0.3360

 12.3021, 0.3657,
0.3468

302.1105, 0.3307,
0.3356

 6.9498, 0.3770,
0.3500

359.4448, 0.3297,

 3.4307, 0.3943,

0.3353

0.3543

423.6096, 0.3288,
0.3349

■ 1.3605, 0.4248,
0.3614

■ 0.1874, 0.6766,
0.3234

■ 80.0167, 0.3409,
0.3391

■ 80.0167, 0.3409,
0.3391

■ 69.0288, 0.3635,
0.3460

■ 92.3644, 0.3220,
0.3325

■ 59.3600, 0.3905,
0.3530

100.0000, 0.3127,
0.3290

■ 50.9578, 0.4220,
0.3597

■ 43.7683, 0.4580,
0.3652

■ 37.7341, 0.4971,
0.3687

■ 32.7925, 0.5368,
0.3690

■ 28.8746, 0.5729,
0.3651

■ 25.9022, 0.6013,
0.3571

■ 24.8814, 0.6109,
0.3531

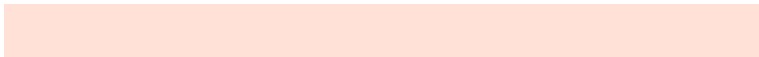
Harmonies

Analogous

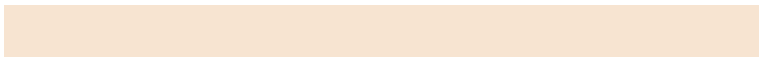
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.0167, 0.3351, 0.3267



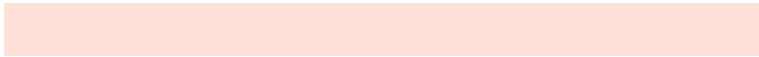
80.0167, 0.3409, 0.3391



80.0167, 0.3389, 0.3492

Triad

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



80.0167, 0.3409, 0.3391



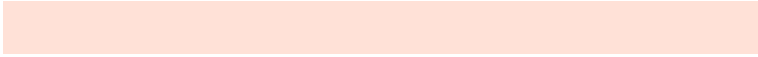
80.0167, 0.3020, 0.3434



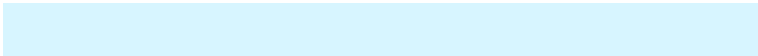
80.0167, 0.2955, 0.3047

Complementary

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



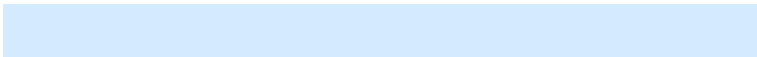
80.0167, 0.3409, 0.3391



86.9936, 0.2885, 0.3187

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.



80.0167, 0.2870, 0.3085



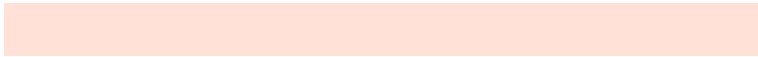
80.0167, 0.3409, 0.3391



80.0167, 0.2908, 0.3307

Square

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



80.0167, 0.3409, 0.3391



80.0167, 0.3163, 0.3521



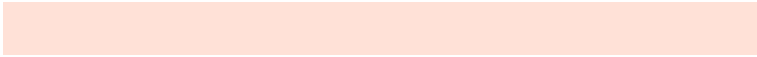
80.0167, 0.2854, 0.3179



80.0167, 0.3086, 0.3072

Rectangle

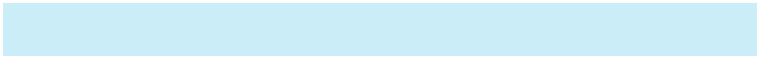
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.0167, 0.3409, 0.3391



80.0167, 0.3336, 0.3532



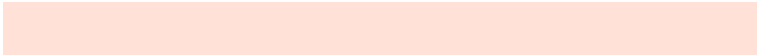
80.0167, 0.2854, 0.3179



80.0167, 0.2920, 0.3053

Sweetspot

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



80.0144, 0.3409, 0.3391



93.2510, 0.3208, 0.3321



76.5065, 0.3208, 0.2989



19.7626, 0.3220, 0.3325



0.0000, 0.0000, 0.0000



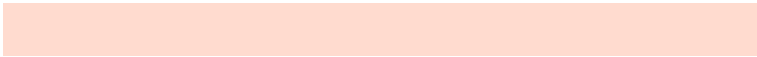
21.4041, 0.3127, 0.3290

Same Dimension

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



80.0144, 0.3409, 0.3391



76.2149, 0.3480, 0.3414



91.0734, 0.3379, 0.3580



18.7229, 0.3288, 0.3350



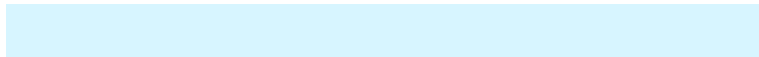
13.1980, 0.6082, 0.3553



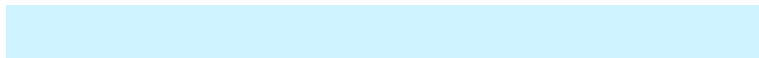
1.4492, 0.5865, 0.3725

Inverse Universe

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



86.9936, 0.2885, 0.3187



84.4720, 0.2834, 0.3163



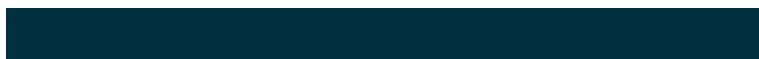
75.8916, 0.2876, 0.2982



19.6690, 0.2980, 0.3229



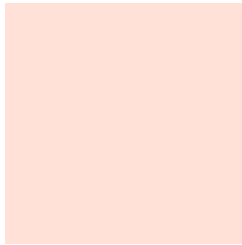
23.5840, 0.2017, 0.2460



2.4691, 0.2046, 0.2565

Previews

White Background



This preview shows how the Yxy color 80.0167, 0.3409, 0.3391 looks on a white background.

Color Contrast Check

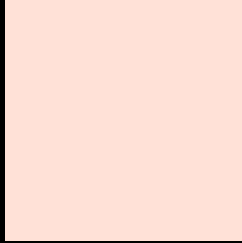
Large Text (above 18pt) WCAG AA × Fail

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 80.0167, 0.3409, 0.3391 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

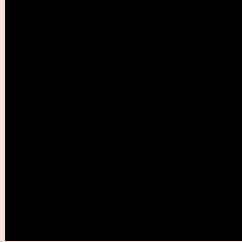
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

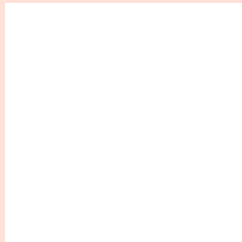
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.0167, 0.3409, 0.3391

Background



This preview shows how black text looks on a background with the Yxy color 80.0167, 0.3409, 0.3391.

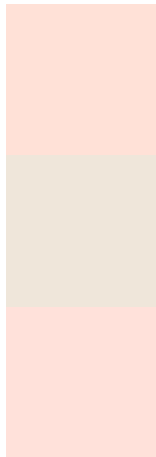


This preview shows how white text looks on a background with the Yxy color 80.0167, 0.3409, 0.3391.

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

80.0167, 0.3409, 0.3391

Protanopia

80.0063, 0.3267, 0.3415

Deuteranopia

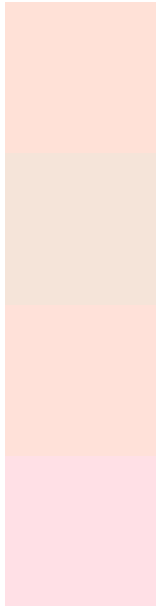
80.1724, 0.3388, 0.3361



Tritanopia

80.2084, 0.3254, 0.3142

Trichromacy



Original Color

80.0167, 0.3409, 0.3391

Protanomaly

79.9090, 0.3319, 0.3403

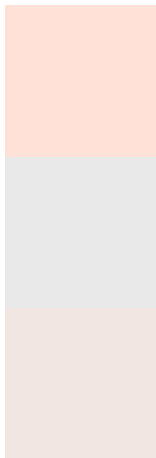
Deuteranomaly

80.1202, 0.3395, 0.3371

Tritanomaly

80.2845, 0.3307, 0.3231

Monochromacy



Original Color

80.0167, 0.3409, 0.3391

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

80.7854, 0.3229, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.0167, 0.3409, 0.3391 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, 215)` looks like.

```
.text, #text, p{  
    color:rgb(255, 225, 215)  
}
```

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, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 225, 215) }
```

Border

The CSS property to change the border of an element to Yxy 80.0167, 0.3409, 0.3391 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, 215) }
```

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

```
.border{ border-color:rgb(255, 225, 215) }
```

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, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 225, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 225, 215);  
box-shadow:4px 4px 4px 4px rgb(255, 225,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 80.0167, 0.3409, 0.3391 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, 215) }
```

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

```
.background{ background-color: rgb(255,  
225, 215) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor