

Converting Colors

$Y_{xy}(80.3650, 0.3469, 0.3594)$

Have a look what the booklet for
Yxy(80.3650, 0.3469, 0.3594)
contains.

Yxy(80.3019, 0.3468, 0.3599)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(80.3019, 0.3468, 0.3599)

Conversions

Conversions Part 1

Format	Color
Hex	F9E5C7
RGB	249, 229, 199
RGB Percent	98%, 90%, 78%
CMY	0.0237, 0.1019, 0.2197
CMYK	0.00, 0.08, 0.20, 0.02
HSL	36°, 80%, 88%
HSV	36°, 20%, 98%
XYZ	77.3790, 80.3019, 65.4419
YIQ	231.5600, 21.5500, -5.0900

Conversions

Conversions Part 2

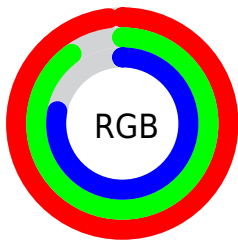
Format	Color
R _Y B	232, 249, 199
Decimal	16377287
CIE Lab	91.82, 2.13, 17.11
CIE LCh	92, 17.246, 82.904
Yxy	80.3019, 0.3468, 0.3599
Android (android.graphics.Color)	4294567367 (0xFFFF9E5C7)
YUV	231.5600, -16.0521, 15.2949
Hunter-Lab	89.6113, -2.6858, 19.4293

Details

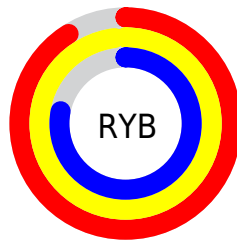
The Yxy color **80.3019, 0.3468, 0.3599** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **69.5882, 0.2805, 0.2960**, and the grayscale version is **80.4571, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.5229, 0.3544, 0.3673** is the 20% darker color. If you saturate the color by 10%, you get **73.9047, 0.3667, 0.3761**, and if you desaturate by 10%, it is **87.2096, 0.3289, 0.3441**.

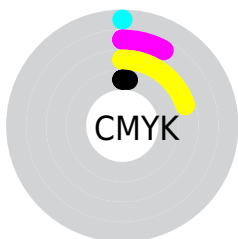
Distribution



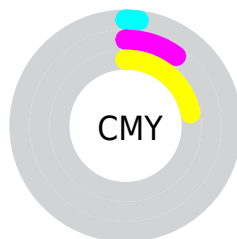
- Red (98%)
- Green (90%)
- Blue (78%)



- Red (91%)
- Yellow (98%)
- Blue (78%)



- Cyan (0%)
- Magenta (8%)
- Yellow (20%)
- Black (2%)





- Cyan (2%)
- Magenta (10%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.3019, 0.3468, 0.3599 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 80.3019, 0.3468, 0.3599 by changing the saturation by 10% instead.


 80.3019, 0.3468,
0.3599

 80.3019, 0.3468,
0.3599


495.9497, 0.3313,
0.3459

 59.9668, 0.3503,
0.3630


133.7901, 0.3415,
0.3551

 43.3919, 0.3545,
0.3668

167.7120, 0.3394,
0.3533

 30.1927, 0.3599,
0.3715


206.9317, 0.3376,
0.3516

 19.9849, 0.3667,
0.3775

251.8334, 0.3360,
0.3502

 12.3841, 0.3759,
0.3855

302.8017, 0.3346,
0.3490

 7.0058, 0.3887,
0.3965

360.2209, 0.3334,

 3.4657, 0.4075,

0.3478

0.4124

424.4755, 0.3323,
0.3468

■ 1.3794, 0.4623,
0.4614

■ 0.2015, 0.5472,
0.4528

■ 80.3019, 0.3468,
0.3599

■ 80.3019, 0.3468,
0.3599

■ 73.9047, 0.3667,
0.3761

■ 87.2096, 0.3289,
0.3441

■ 67.9927, 0.3883,
0.3921

■ 94.6305, 0.3128,
0.3291

■ 62.5543, 0.4112,
0.4071

■ 98.8700, 0.3090,
0.3290

■ 57.5730, 0.4348,
0.4201

■ 53.0312, 0.4580,
0.4299

■ 48.9089, 0.4796,
0.4352

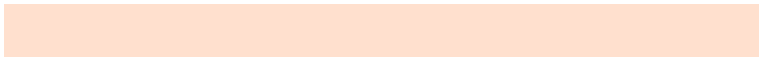
■ 45.1837, 0.4982,
0.4353

■ 41.8443, 0.5134,
0.4305

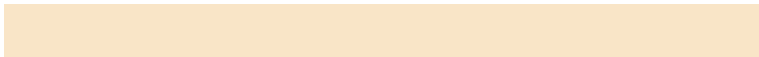
Harmonies

Analogous

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



80.3019, 0.3526, 0.3472



80.3019, 0.3468, 0.3599



80.3019, 0.3317, 0.3646

Triad

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



80.3019, 0.3468, 0.3599



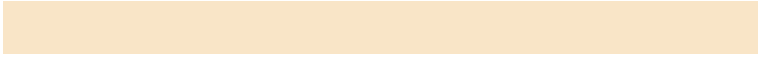
80.3019, 0.2792, 0.3260



80.3019, 0.3125, 0.3013

Complementary

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



80.3019, 0.3468, 0.3599



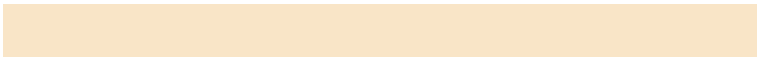
69.5882, 0.2805, 0.2960

Split Complementary

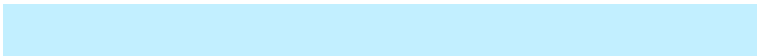
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.3019, 0.2932, 0.2954



80.3019, 0.3468, 0.3599



80.3019, 0.2744, 0.3089

Square

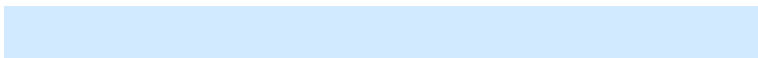
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.3019, 0.3468, 0.3599



80.3019, 0.2927, 0.3447



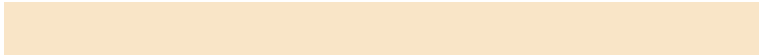
80.3019, 0.2794, 0.2980



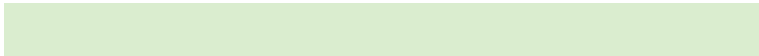
80.3019, 0.3325, 0.3139

Rectangle

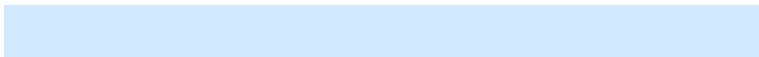
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.3019, 0.3468, 0.3599



80.3019, 0.3187, 0.3621



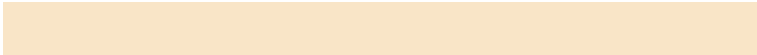
80.3019, 0.2794, 0.2980



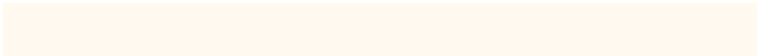
80.3019, 0.3057, 0.2985

Sweetspot

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



80.3055, 0.3468, 0.3599



95.2229, 0.3221, 0.3379



66.0811, 0.3372, 0.3084



20.2729, 0.3232, 0.3389



0.0000, 0.0000, 0.0000



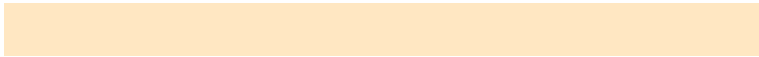
21.4041, 0.3127, 0.3290

Same Dimension

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



80.3055, 0.3468, 0.3599



82.0739, 0.3544, 0.3663



91.0656, 0.3396, 0.3797



18.9615, 0.3279, 0.3432



22.6947, 0.5115, 0.4320



2.3091, 0.4975, 0.4432

Inverse Universe

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



69.5882, 0.2805, 0.2960



68.9098, 0.2738, 0.2886



60.5088, 0.2825, 0.2739



17.7787, 0.2979, 0.3143



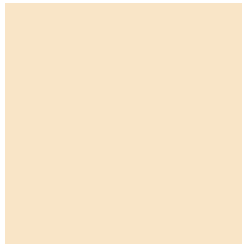
8.7252, 0.1682, 0.1256



1.0090, 0.1748, 0.1491

Previews

White Background



This preview shows how the Yxy color 80.3019, 0.3468, 0.3599 looks on a white background.

Color Contrast Check

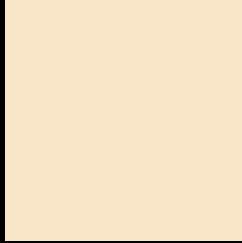
Large Text (above 18pt) WCAG AA × Fail

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 80.3019, 0.3468, 0.3599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

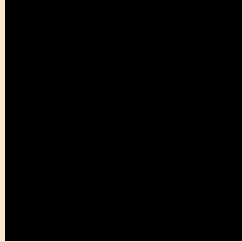
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

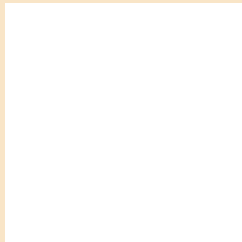
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.3019, 0.3468, 0.3599

Background



This preview shows how black text looks on a background with the Yxy color 80.3019, 0.3468, 0.3599.

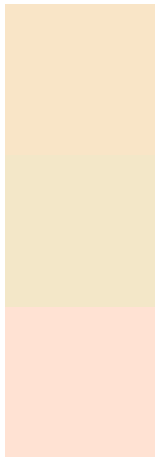


This preview shows how white text looks on a background with the Yxy color 80.3019, 0.3468, 0.3599.

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

80.3019, 0.3468, 0.3599

Protanopia

80.3766, 0.3414, 0.3613

Deuteranopia

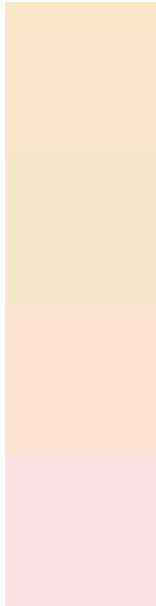
80.3559, 0.3435, 0.3442



Tritanopia

80.1971, 0.3227, 0.3113

Trichromacy



Original Color

80.3019, 0.3468, 0.3599

Protanomaly

80.1762, 0.3430, 0.3601

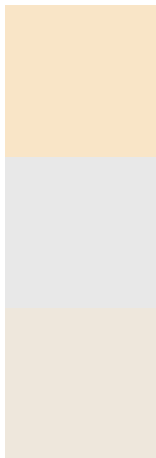
Deuteranomaly

80.3258, 0.3446, 0.3494

Tritanomaly

80.0369, 0.3312, 0.3281

Monochromacy



Original Color

80.3019, 0.3468, 0.3599

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.4963, 0.3246, 0.3404

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.3019, 0.3468, 0.3599 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(249, 229, 199)` looks like.

```
.text, #text, p{  
    color:rgb(249, 229, 199)  
}
```

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(249, 229, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 229, 199) }
```

Border

The CSS property to change the border of an element to Yxy 80.3019, 0.3468, 0.3599 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(249, 229, 199) }
```

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

```
.border{ border-color:rgb(249, 229, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 229, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 229, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 229, 199);  
box-shadow:4px 4px 4px 4px rgb(249, 229,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 80.3019, 0.3468, 0.3599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 229, 199) }
```

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

```
.background{ background-color: rgb(249,  
229, 199) }
```

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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