

Converting Colors

$Y_{xy}(80.1907, 0.3531, 0.3789)$

Have a look what the booklet for
Yxy(80.1907, 0.3531, 0.3789)
contains.

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Color

Yxy(80.4070, 0.3527, 0.3790)

Conversions

Conversions Part 1

Format	Color
Hex	F4E8B8
RGB	244, 232, 184
RGB Percent	96%, 91%, 72%
CMY	0.0430, 0.0902, 0.2784
CMYK	0.00, 0.05, 0.25, 0.04
HSL	48°, 73%, 84%
HSV	48°, 25%, 96%
XYZ	74.8273, 80.4070, 56.9214
YIQ	230.1160, 22.5600, -12.3840

Conversions

Conversions Part 2

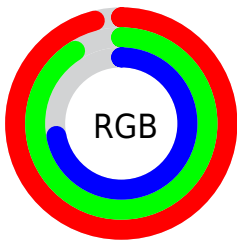
Format	Color
R _Y B	199, 244, 184
Decimal	16050360
CIE Lab	91.87, -3.26, 24.86
CIE LCh	92, 25.076, 97.474
Yxy	80.4070, 0.3527, 0.3790
Android (android.graphics.Color)	4294240440 (0xFFFF4E8B8)
YUV	230.1160, -22.7352, 12.1763
Hunter-Lab	89.6700, -7.9687, 25.1324

Details

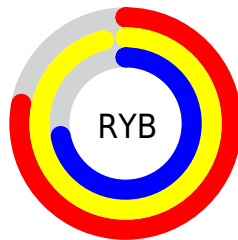
The Yxy color **80.4070, 0.3527, 0.3790** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **56.2261, 0.2716, 0.2735**, and the grayscale version is **79.3857, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0713, 0.3214, 0.3434**, and **43.2542, 0.3612, 0.3894** is the 20% darker color. If you saturate the color by 10%, you get **76.7549, 0.3704, 0.3997**, and if you desaturate by 10%, it is **84.3198, 0.3357, 0.3582**.

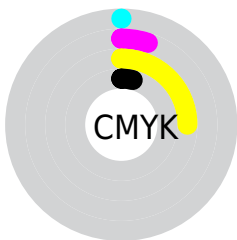
Distribution



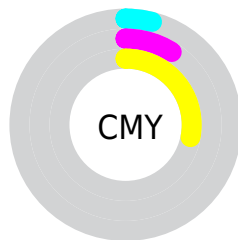
- Red (96%)
- Green (91%)
- Blue (72%)



- Red (78%)
- Yellow (96%)
- Blue (72%)



- Cyan (0%)
- Magenta (5%)
- Yellow (25%)
- Black (4%)




- Cyan (4%)
- Magenta (9%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.4070, 0.3527, 0.3790 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 80.4070, 0.3527, 0.3790 by changing the saturation by 10% instead.

 80.4070, 0.3527,
0.3790

 80.4070, 0.3527,
0.3790

496.3034, 0.3347,
0.3562

 60.0533, 0.3567,
0.3841


 133.9378, 0.3466,
0.3712

 43.4616, 0.3615,
0.3903


167.8837, 0.3442,
0.3681

 30.2475, 0.3674,
0.3981


207.1292, 0.3421,
0.3655

 20.0265, 0.3750,
0.4080

252.0586, 0.3402,
0.3631

 12.4143, 0.3848,
0.4211

303.0563, 0.3386,
0.3611

 7.0265, 0.3978,
0.4391

360.5068, 0.3372,

 3.4787, 0.4156,

0.3593

0.4645

424.7943, 0.3359,
0.3577

■ 1.3865, 0.4667,
0.5333

■ 0.2067, 0.3611,
0.6389

■ 80.4070, 0.3527,
0.3790

■ 80.4070, 0.3527,
0.3790

■ 76.7549, 0.3704,
0.3997

■ 84.3198, 0.3357,
0.3582

■ 73.3428, 0.3884,
0.4196

■ 88.4913, 0.3197,
0.3380

■ 70.1640, 0.4059,
0.4376

■ 92.7906, 0.3062,
0.3209

■ 67.2069, 0.4222,
0.4528

■ 95.8206, 0.3061,
0.3257

■ 64.4586, 0.4365,
0.4641

■ 97.9809, 0.3060,
0.3290

■ 61.9041, 0.4482,
0.4708

■ 59.5253, 0.4569,
0.4728

■ 58.3005, 0.4607,
0.4724

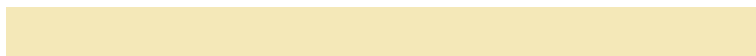
Harmonies

Analogous

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



80.4070, 0.3687, 0.3648



80.4070, 0.3527, 0.3790



80.4070, 0.3263, 0.3795

Triad

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



80.4070, 0.3527, 0.3790



80.4070, 0.2594, 0.3112



80.4070, 0.3267, 0.2971

Complementary

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



80.4070, 0.3527, 0.3790



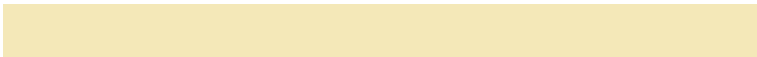
56.2261, 0.2716, 0.2735

Split Complementary

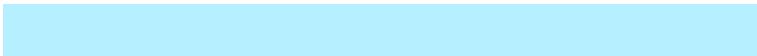
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.4070, 0.2971, 0.2837



80.4070, 0.3527, 0.3790



80.4070, 0.2594, 0.2906

Square

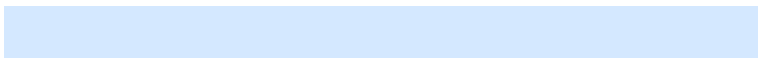
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.4070, 0.3527, 0.3790



80.4070, 0.2729, 0.3386



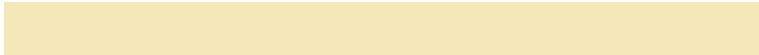
80.4070, 0.2729, 0.2811



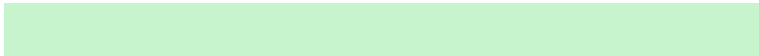
80.4070, 0.3535, 0.3181

Rectangle

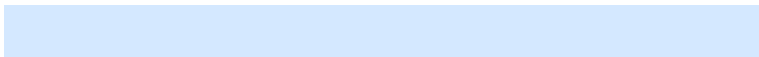
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.4070, 0.3527, 0.3790



80.4070, 0.3067, 0.3710



80.4070, 0.2729, 0.2811



80.4070, 0.3167, 0.2916

Sweetspot

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



80.4106, 0.3527, 0.3790



96.6388, 0.3234, 0.3428



57.5525, 0.3534, 0.3151



20.6241, 0.3244, 0.3440



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

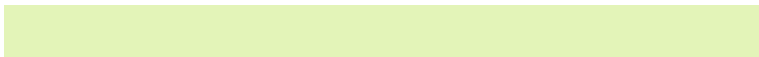
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.4106, 0.3527, 0.3790



86.6070, 0.3623, 0.3904



84.5240, 0.3381, 0.3930



18.7155, 0.3274, 0.3478



31.8867, 0.4599, 0.4730



2.9425, 0.4538, 0.4779

Inverse Universe

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



56.2261, 0.2716, 0.2735



55.2624, 0.2614, 0.2590



53.2334, 0.2827, 0.2614



16.4652, 0.2979, 0.3095



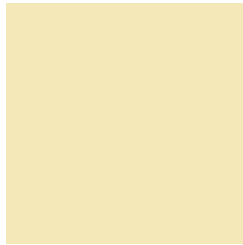
4.8971, 0.1555, 0.0797



0.5696, 0.1614, 0.1011

Previews

White Background



This preview shows how the Yxy color 80.4070, 0.3527, 0.3790 looks on a white background.

Color Contrast Check

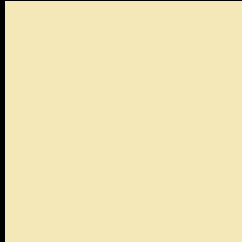
Large Text (above 18pt) WCAG AA × Fail

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 80.4070, 0.3527, 0.3790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

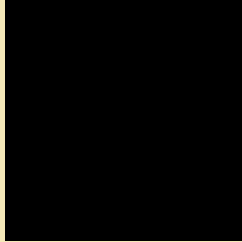
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.4070, 0.3527, 0.3790

Background



This preview shows how black text looks on a background with the Yxy color 80.4070, 0.3527, 0.3790.

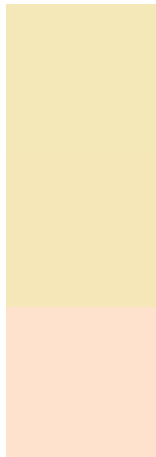


This preview shows how white text looks on a background with the Yxy color 80.4070, 0.3527, 0.3790.

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

80.4070, 0.3527, 0.3790

Protanopia

80.2053, 0.3544, 0.3778

Deuteranopia

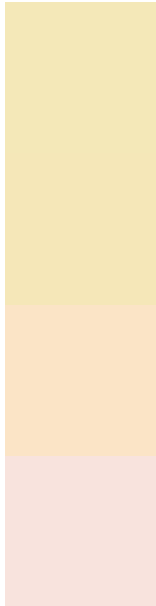
80.1089, 0.3470, 0.3493



Tritanopia

80.2313, 0.3198, 0.3112

Trichromacy



Original Color

80.4070, 0.3527, 0.3790

Protanomaly

80.0250, 0.3536, 0.3779

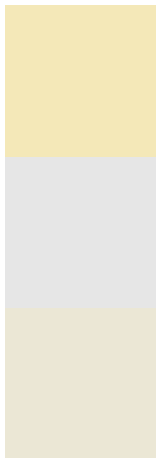
Deuteranomaly

80.0733, 0.3492, 0.3598

Tritanomaly

80.1151, 0.3315, 0.3352

Monochromacy



Original Color

80.4070, 0.3527, 0.3790

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.6181, 0.3271, 0.3479

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.4070, 0.3527, 0.3790 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(244, 232, 184)` looks like.

```
.text, #text, p{  
    color:rgb(244, 232, 184)  
}
```

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(244, 232, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 232, 184) }
```

Border

The CSS property to change the border of an element to Yxy 80.4070, 0.3527, 0.3790 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(244, 232, 184) }
```

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

```
.border{ border-color:rgb(244, 232, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 232, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 232, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 232, 184);  
box-shadow:4px 4px 4px 4px rgb(244, 232,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 80.4070, 0.3527, 0.3790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 232, 184) }
```

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

```
.background{ background-color: rgb(244,  
232, 184) }
```

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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