

Converting Colors

$Y_{xy}(80.7044, 0.3641, 0.3769)$

Have a look what the booklet for
Yxy(80.7044, 0.3641, 0.3769)
contains.

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Color

Yxy(80.6760, 0.3629, 0.3768)

Conversions

Conversions Part 1

Format	Color
Hex	FFE5B6
RGB	255, 229, 182
RGB Percent	100%, 90%, 71%
CMY	0.0000, 0.1019, 0.2863
CMYK	0.00, 0.10, 0.29, 0.00
HSL	39°, 100%, 86%
HSV	39°, 29%, 100%
XYZ	77.6999, 80.6760, 55.7324
YIQ	231.4160, 30.5830, -9.1050

Conversions

Conversions Part 2

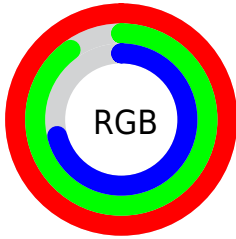
Format	Color
R _Y B	222, 255, 182
Decimal	16770486
CIE Lab	91.99, 2.05, 26.20
CIE LCh	92, 26.280, 85.517
Yxy	80.6760, 0.3629, 0.3768
Android (android.graphics.Color)	4294960566 (0xFFFFE5B6)
YUV	231.4160, -24.3621, 20.6832
Hunter-Lab	89.8198, -2.7708, 26.0850

Details

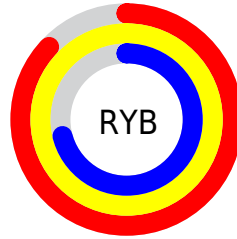
The Yxy color $80.6760, 0.3629, 0.3768$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $62.2672, 0.2655, 0.2760$, and the grayscale version is $80.4066, 0.3127, 0.3290$.

A 20% lighter version of the original color is $98.9530, 0.3226, 0.3454$, and $43.7274, 0.3733, 0.3875$ is the 20% darker color. If you saturate the color by 10%, you get $74.8271, 0.3835, 0.3939$, and if you desaturate by 10%, it is $86.9869, 0.3438, 0.3596$.

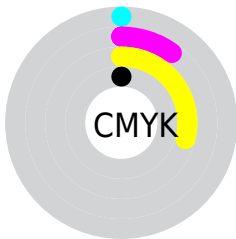
Distribution



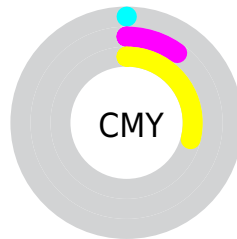
- Red (100%)
- Green (90%)
- Blue (71%)



- Red (87%)
- Yellow (100%)
- Blue (71%)



- Cyan (0%)
- Magenta (10%)
- Yellow (29%)
- Black (0%)




- Cyan (0%)
- Magenta (10%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.6760, 0.3629, 0.3768 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 80.6760, 0.3629, 0.3768 by changing the saturation by 10% instead.


 80.6760, 0.3629,
0.3768

 80.6760, 0.3629,
0.3768

497.2081, 0.3402,
0.3553

 60.2748, 0.3679,
0.3815


 134.3157, 0.3551,
0.3695

 43.6402, 0.3741,
0.3872

168.3231, 0.3521,
0.3666

 30.3877, 0.3817,
0.3943


207.6345, 0.3494,
0.3641

 20.1331, 0.3913,
0.4032

252.6346, 0.3471,
0.3619

 12.4918, 0.4039,
0.4147

303.7075, 0.3451,
0.3600

 7.0795, 0.4208,
0.4298

361.2378, 0.3433,

 3.5119, 0.4445,

0.3583

0.4505

425.6099, 0.3416,
0.3567

■ 1.4045, 0.5000,
0.5000

■ 0.2200, 0.5410,
0.4590

■ 80.6760, 0.3629,
0.3768

■ 80.6760, 0.3629,
0.3768

■ 74.8271, 0.3835,
0.3939

■ 86.9869, 0.3438,
0.3596

■ 69.4146, 0.4052,
0.4101

■ 93.7621, 0.3263,
0.3428

■ 64.4269, 0.4273,
0.4243

99.9981, 0.3127,
0.3290

■ 59.8470, 0.4489,
0.4355

■ 55.6562, 0.4687,
0.4423

■ 51.8329, 0.4858,
0.4441

■ 48.3482, 0.4996,
0.4408

■ 47.8906, 0.5013,
0.4401

Harmonies

Analogous

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



80.6760, 0.3736, 0.3577



80.6760, 0.3629, 0.3768



80.6760, 0.3387, 0.3837

Triad

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



80.6760, 0.3629, 0.3768



80.6760, 0.2611, 0.3213



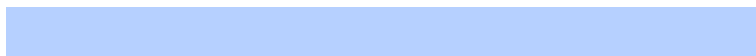
80.6760, 0.3148, 0.2890

Complementary

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



80.6760, 0.3629, 0.3768



62.2672, 0.2655, 0.2760

Split Complementary

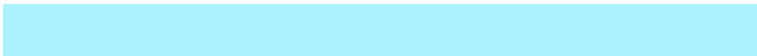
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.6760, 0.2852, 0.2792



80.6760, 0.3629, 0.3768



80.6760, 0.2553, 0.2961

Square

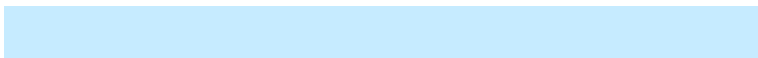
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.6760, 0.3629, 0.3768



80.6760, 0.2801, 0.3506



80.6760, 0.2639, 0.2814



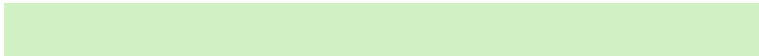
80.6760, 0.3452, 0.3081

Rectangle

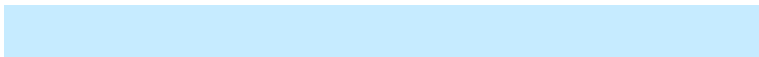
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.6760, 0.3629, 0.3768



80.6760, 0.3186, 0.3792



80.6760, 0.2639, 0.2814



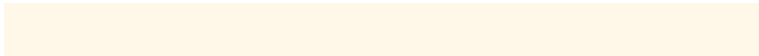
80.6760, 0.3044, 0.2845

Sweetspot

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



80.6797, 0.3629, 0.3768



93.5073, 0.3270, 0.3434



59.3063, 0.3530, 0.3015



19.7976, 0.3294, 0.3458



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

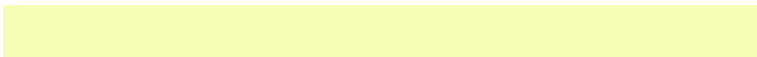
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.6797, 0.3629, 0.3768



77.4847, 0.3738, 0.3861



94.3499, 0.3495, 0.4024



19.9390, 0.3278, 0.3443



25.3183, 0.4996, 0.4415



2.6716, 0.4881, 0.4507

Inverse Universe

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



62.2672, 0.2655, 0.2760



56.4985, 0.2559, 0.2642



51.8474, 0.2689, 0.2470



18.4357, 0.2979, 0.3133



7.9159, 0.1649, 0.1134



0.9679, 0.1711, 0.1359

Previews

White Background



This preview shows how the Yxy color 80.6760, 0.3629, 0.3768 looks on a white background.

Color Contrast Check

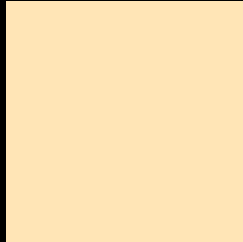
Large Text (above 18pt) WCAG AA × Fail

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 80.6760, 0.3629, 0.3768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

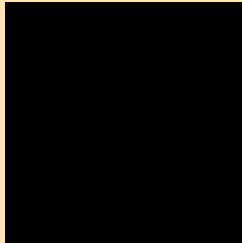
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.6760, 0.3629, 0.3768

Background



This preview shows how black text looks on a background with the Yxy color 80.6760, 0.3629, 0.3768.



This preview shows how white text looks on a background with the Yxy color 80.6760, 0.3629, 0.3768.

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

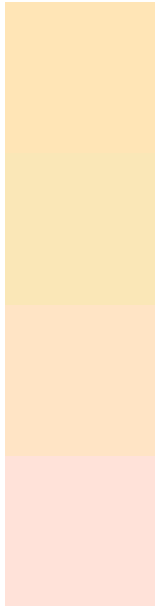




Tritanopia

80.6857, 0.3260, 0.3162

Trichromacy



Original Color

80.6760, 0.3629, 0.3768

Protanomaly

80.8947, 0.3580, 0.3783

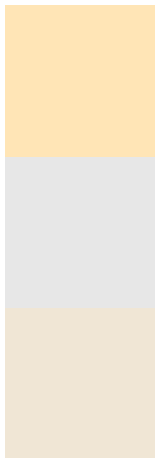
Deuteranomaly

80.7780, 0.3528, 0.3605

Tritanomaly

80.6625, 0.3394, 0.3381

Monochromacy



Original Color

80.6760, 0.3629, 0.3768

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

79.9230, 0.3307, 0.3467

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.6760, 0.3629, 0.3768 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, 229, 182)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 182)  
}
```

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, 229, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 182) }
```

Border

The CSS property to change the border of an element to Yxy 80.6760, 0.3629, 0.3768 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, 229, 182) }
```

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

```
.border{ border-color:rgb(255, 229, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 229, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 229, 182); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 229, 182); box-shadow:4px 4px 4px 4px rgb(255, 229, 182) }
```


Background

The CSS property to change the background color of an element to Yxy 80.6760, 0.3629, 0.3768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 182) }
```

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

```
.background{ background-color: rgb(255,  
229, 182) }
```

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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