

Converting Colors

$Y_{xy}(80.8236, 0.3540, 0.3625)$

Have a look what the booklet for
Yxy(80.8236, 0.3540, 0.3625)
contains.

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Color

Yxy(80.6869, 0.3542, 0.3625)

Conversions

Conversions Part 1

Format	Color
Hex	FFE4C3
RGB	255, 228, 195
RGB Percent	100%, 89%, 76%
CMY	0.0000, 0.1059, 0.2352
CMYK	0.00, 0.11, 0.24, 0.00
HSL	33°, 100%, 88%
HSV	33°, 24%, 100%
XYZ	78.8394, 80.6869, 63.0582
YIQ	232.3110, 26.6850, -4.5390

Conversions

Conversions Part 2

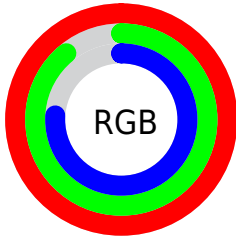
Format	Color
R_{YB}	244, 255, 195
Decimal	16770243
CIE _{Lab}	91.99, 4.31, 19.49
CIE _{LCh}	92, 19.956, 77.533
Yxy	80.6869, 0.3542, 0.3625
Android (android.graphics.Color)	4294960323 (0xFFFFE4C3)
YUV	232.3110, -18.3943, 19.8983
Hunter-Lab	89.8259, -0.5273, 21.2563

Details

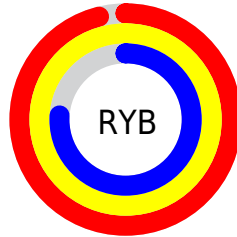
The Yxy color **80.6869, 0.3542, 0.3625** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **71.0769, 0.2749, 0.2930**, and the grayscale version is **81.0670, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8083, 0.3144, 0.3319**, and **43.8160, 0.3640, 0.3706** is the 20% darker color. If you saturate the color by 10%, you get **73.5231, 0.3755, 0.3774**, and if you desaturate by 10%, it is **88.4682, 0.3351, 0.3478**.

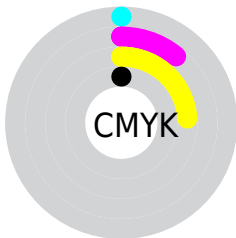
Distribution



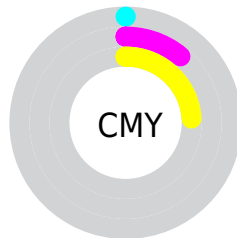
- Red (100%)
- Green (89%)
- Blue (76%)



- Red (96%)
- Yellow (100%)
- Blue (76%)



- Cyan (0%)
- Magenta (11%)
- Yellow (24%)
- Black (0%)





- Cyan (0%)
- Magenta (11%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.6869, 0.3542, 0.3625 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 80.6869, 0.3542, 0.3625 by changing the saturation by 10% instead.

 80.6869, 0.3542,
0.3625

 80.6869, 0.3542,
0.3625

497.2447, 0.3353,
0.3475

 60.2838, 0.3584,
0.3658

134.3310, 0.3477,
0.3574

 43.6474, 0.3636,
0.3698

168.3409, 0.3452,
0.3554

 30.3934, 0.3701,
0.3748


207.6550, 0.3430,
0.3536

 20.1374, 0.3784,
0.3811

252.6579, 0.3411,
0.3521

 12.4949, 0.3895,
0.3893

303.7339, 0.3394,
0.3507

 7.0817, 0.4048,
0.4004

361.2675, 0.3379,

 3.5132, 0.4272,

0.3495

0.4158

425.6429, 0.3365,
0.3485

1.4052, 0.4992,
0.4728

0.2205, 0.5880,
0.4120

80.6869, 0.3542,
0.3625

80.6869, 0.3542,
0.3625

73.5231, 0.3755,
0.3774

88.4682, 0.3351,
0.3478

66.9570, 0.3988,
0.3920

96.8823, 0.3182,
0.3338

60.9699, 0.4237,
0.4053

100.0000, 0.3127,
0.3290

55.5413, 0.4494,
0.4163

■ 50.6488, 0.4746,
0.4235

■ 46.2675, 0.4979,
0.4260

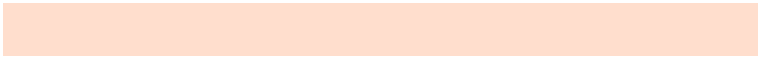
■ 42.3688, 0.5177,
0.4229

■ 40.0786, 0.5287,
0.4184

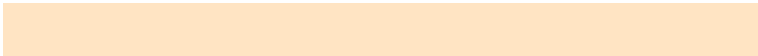
Harmonies

Analogous

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



80.6869, 0.3588, 0.3465



80.6869, 0.3542, 0.3625



80.6869, 0.3383, 0.3701

Triad

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



80.6869, 0.3542, 0.3625



80.6869, 0.2762, 0.3293



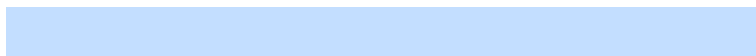
80.6869, 0.3082, 0.2953

Complementary

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



80.6869, 0.3542, 0.3625



71.0769, 0.2749, 0.2930

Split Complementary

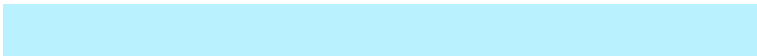
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.6869, 0.2867, 0.2902



80.6869, 0.3542, 0.3625



80.6869, 0.2687, 0.3088

Square

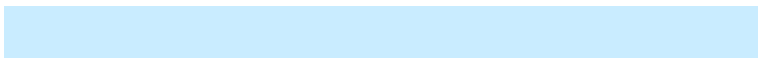
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.6869, 0.3542, 0.3625



80.6869, 0.2932, 0.3508



80.6869, 0.2725, 0.2948



80.6869, 0.3316, 0.3085

Rectangle

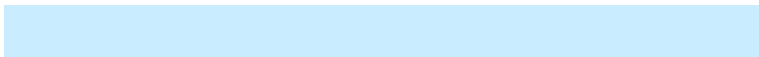
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.6869, 0.3542, 0.3625



80.6869, 0.3237, 0.3687



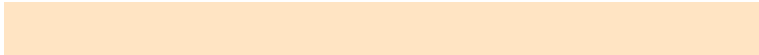
80.6869, 0.2725, 0.2948



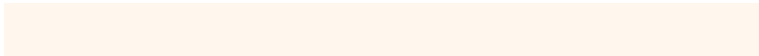
80.6869, 0.3005, 0.2926

Sweetspot

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



80.6875, 0.3542, 0.3625



93.8833, 0.3238, 0.3386



65.6265, 0.3394, 0.3006



19.9852, 0.3248, 0.3394



0.0000, 0.0000, 0.0000



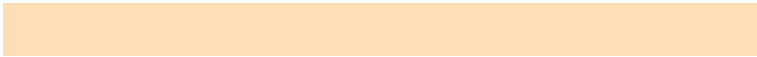
21.4041, 0.3127, 0.3290

Same Dimension

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



80.6875, 0.3542, 0.3625



77.4044, 0.3635, 0.3692



96.3437, 0.3470, 0.3882



19.6429, 0.3280, 0.3421



21.2446, 0.5264, 0.4202



2.2868, 0.5109, 0.4326

Inverse Universe

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



71.0769, 0.2749, 0.2930



66.3397, 0.2674, 0.2851



58.1310, 0.2738, 0.2626



18.7242, 0.2979, 0.3156



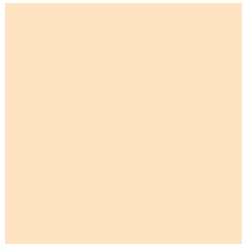
10.4425, 0.1726, 0.1411



1.2313, 0.1786, 0.1628

Previews

White Background



This preview shows how the Yxy color 80.6869, 0.3542, 0.3625 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 80.6869, 0.3542, 0.3625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

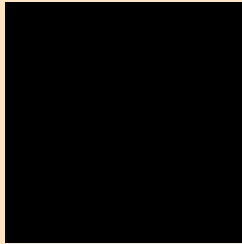
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.6869, 0.3542, 0.3625

Background



This preview shows how black text looks on a background with the Yxy color 80.6869, 0.3542, 0.3625.

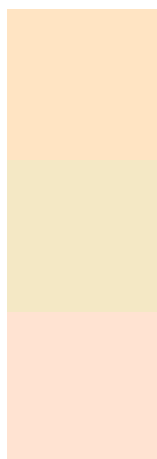


This preview shows how white text looks on a background with the Yxy color 80.6869, 0.3542, 0.3625.

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

80.6869, 0.3542, 0.3625

Protanopia

80.9775, 0.3440, 0.3653

Deuteranopia

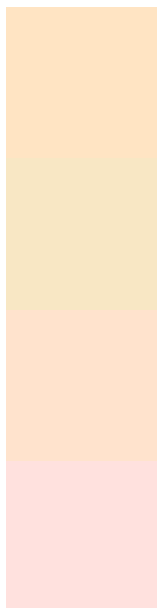
80.8513, 0.3440, 0.3462



Tritanopia

80.7444, 0.3253, 0.3152

Trichromacy



Original Color

80.6869, 0.3542, 0.3625

Protanomaly

81.0938, 0.3477, 0.3650

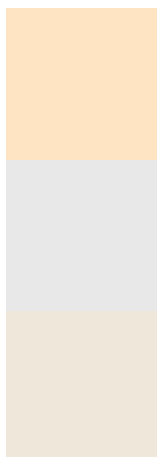
Deuteranomaly

80.6059, 0.3475, 0.3513

Tritanomaly

80.3844, 0.3361, 0.3321

Monochromacy



Original Color

80.6869, 0.3542, 0.3625

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.7916, 0.3267, 0.3414

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.6869, 0.3542, 0.3625 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, 228, 195)` looks like.

```
.text, #text, p{  
    color:rgb(255, 228, 195)  
}
```

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, 228, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 228, 195) }
```

Border

The CSS property to change the border of an element to Yxy 80.6869, 0.3542, 0.3625 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, 228, 195) }
```

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

```
.border{ border-color:rgb(255, 228, 195) }
```

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

Here you see how a box with a 4 pixel rgb(255, 228, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 228, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 228, 195);  
box-shadow:4px 4px 4px 4px rgb(255, 228,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 80.6869, 0.3542, 0.3625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 228, 195) }
```

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

```
.background{ background-color: rgb(255,  
228, 195) }
```

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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