

Converting Colors

$Y_{xy}(81.4036, 0.3564, 0.3679)$

Have a look what the booklet for
Yxy(81.4036, 0.3564, 0.3679)
contains.

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Color

Yxy(81.6152, 0.3565, 0.3686)

Conversions

Conversions Part 1

Format	Color
Hex	FFE6BF
RGB	255, 230, 191
RGB Percent	100%, 90%, 75%
CMY	0.0000, 0.0980, 0.2511
CMYK	0.00, 0.10, 0.25, 0.00
HSL	37°, 100%, 87%
HSV	37°, 25%, 100%
XYZ	78.9360, 81.6152, 60.8682
YIQ	233.0290, 27.4190, -6.8290

Conversions

Conversions Part 2

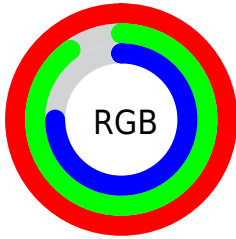
Format	Color
RYB	232, 255, 191
Decimal	16770751
CIELab	92.40, 2.72, 22.15
CIELCh	92, 22.316, 82.996
Yxy	81.6152, 0.3565, 0.3686
Android (android.graphics.Color)	4294960831 (0xFFFFE6BF)
YUV	233.0290, -20.7203, 19.2686
Hunter-Lab	90.3411, -2.1317, 23.2916

Details

The Yxy color **81.6152, 0.3565, 0.3686** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **67.3819, 0.2719, 0.2859**, and the grayscale version is **81.6522, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4954, 0.3173, 0.3367**, and **44.4719, 0.3668, 0.3782** is the 20% darker color. If you saturate the color by 10%, you get **75.2109, 0.3772, 0.3850**, and if you desaturate by 10%, it is **88.5385, 0.3376, 0.3523**.

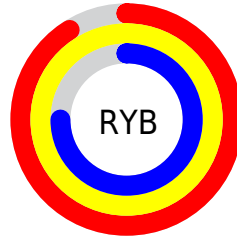
Distribution



Red (100%)

Green (90%)

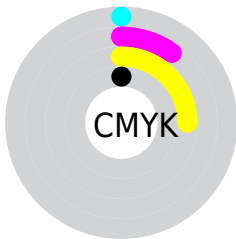
Blue (75%)



Red (91%)

Yellow (100%)

Blue (75%)

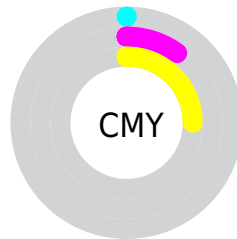


Cyan (0%)

Magenta (10%)

Yellow (25%)

Black (0%)



Cyan (0%)


Magenta (10%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.6152, 0.3565, 0.3686 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 81.6152, 0.3565, 0.3686 by changing the saturation by 10% instead.


 81.6152, 0.3565,
0.3686

 81.6152, 0.3565,
0.3686


500.3596, 0.3367,
0.3508

 61.0484, 0.3609,
0.3725

 135.6342, 0.3497,
0.3626

 44.2642, 0.3663,
0.3772


169.8553, 0.3470,
0.3602

 30.8783, 0.3730,
0.3831


209.3965, 0.3447,
0.3581

 20.5062, 0.3816,
0.3906

254.6424, 0.3427,
0.3563

 12.7635, 0.3929,
0.4003

305.9772, 0.3409,
0.3547

 7.2659, 0.4084,
0.4133

363.7854, 0.3393,

 3.6290, 0.4304,

0.3533

0.4312

428.4515, 0.3379,
0.3520

■ 1.4682, 0.5038,
0.4962

■ 0.2662, 0.5455,
0.4545

■ 81.6152, 0.3565,
0.3686

■ 81.6152, 0.3565,
0.3686

■ 75.2109, 0.3772,
0.3850

■ 88.5385, 0.3376,
0.3523

■ 69.2992, 0.3994,
0.4008

■ 95.9841, 0.3207,
0.3367

■ 63.8673, 0.4225,
0.4152

99.9984, 0.3127,
0.3290

■ 58.8975, 0.4457,
0.4269

■ 54.3704, 0.4679,
0.4347

■ 50.2641, 0.4877,
0.4376

■ 46.5527, 0.5041,
0.4351

■ 44.8642, 0.5111,
0.4324

Harmonies

Analogous

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



81.6152, 0.3642, 0.3520



81.6152, 0.3565, 0.3686



81.6152, 0.3369, 0.3751

Triad

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



81.6152, 0.3565, 0.3686



81.6152, 0.2697, 0.3248



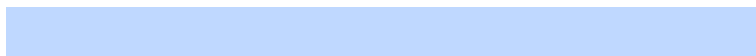
81.6152, 0.3124, 0.2937

Complementary

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



81.6152, 0.3565, 0.3686



67.3819, 0.2719, 0.2859

Split Complementary

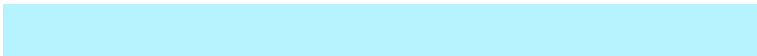
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.6152, 0.2876, 0.2863



81.6152, 0.3565, 0.3686



81.6152, 0.2637, 0.3029

Square

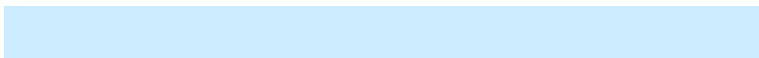
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.6152, 0.3565, 0.3686



81.6152, 0.2869, 0.3492



81.6152, 0.2701, 0.2892



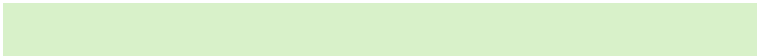
81.6152, 0.3382, 0.3097

Rectangle

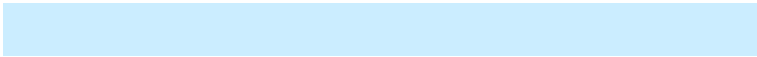
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.6152, 0.3565, 0.3686



81.6152, 0.3201, 0.3720



81.6152, 0.2701, 0.2892



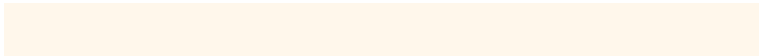
81.6152, 0.3036, 0.2902

Sweetspot

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



81.6189, 0.3565, 0.3686



93.7808, 0.3254, 0.3411



63.4975, 0.3450, 0.3029



19.8309, 0.3279, 0.3435



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.



81.6189, 0.3565, 0.3686



78.4252, 0.3664, 0.3767



95.3395, 0.3465, 0.3929



19.8309, 0.3279, 0.3435



23.7432, 0.5092, 0.4339



2.5244, 0.4962, 0.4442

Inverse Universe

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



67.3819, 0.2719, 0.2859



62.0277, 0.2634, 0.2761



56.3919, 0.2736, 0.2581



18.5402, 0.2979, 0.3141



8.7546, 0.1675, 0.1230



1.0573, 0.1737, 0.1454

Previews

White Background



This preview shows how the Yxy color 81.6152, 0.3565, 0.3686 looks on a white background.

Color Contrast Check

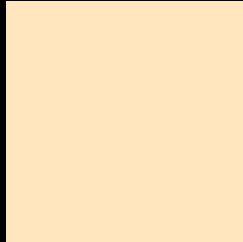
Large Text (above 18pt) WCAG AA × Fail

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 81.6152, 0.3565, 0.3686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

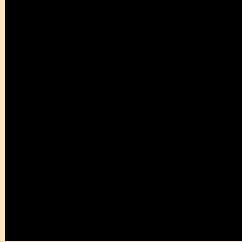
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.6152, 0.3565, 0.3686

Background



This preview shows how black text looks on a background with the Yxy color 81.6152, 0.3565, 0.3686.

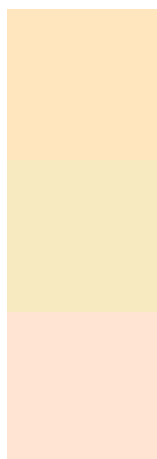


This preview shows how white text looks on a background with the Yxy color 81.6152, 0.3565, 0.3686.

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

81.6152, 0.3565, 0.3686

Protanopia

81.8578, 0.3493, 0.3713

Deuteranopia

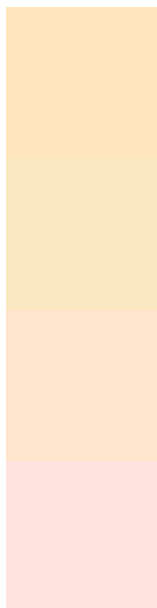
81.4500, 0.3432, 0.3462



Tritanopia

81.3424, 0.3245, 0.3152

Trichromacy



Original Color

81.6152, 0.3565, 0.3686

Protanomaly

81.8430, 0.3517, 0.3700

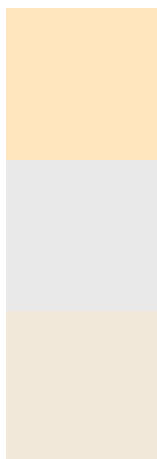
Deuteranomaly

81.6583, 0.3478, 0.3543

Tritanomaly

81.4721, 0.3358, 0.3341

Monochromacy



Original Color

81.6152, 0.3565, 0.3686

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.4760, 0.3279, 0.3435

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.6152, 0.3565, 0.3686 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, 230, 191)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 191)  
}
```

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, 230, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 191) }
```

Border

The CSS property to change the border of an element to Yxy 81.6152, 0.3565, 0.3686 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, 230, 191) }
```

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

```
.border{ border-color:rgb(255, 230, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 230, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 191);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 81.6152, 0.3565, 0.3686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 230, 191) }
```

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

```
.background{ background-color: rgb(255,  
230, 191) }
```

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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