

Converting Colors

$Y_{xy}(81.4751, 0.3562, 0.3599)$

Have a look what the booklet for
Yxy(81.4751, 0.3562, 0.3599)
contains.

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Color

Yxy(80.7780, 0.3528, 0.3605)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FFE4C5 |
| RGB | 255, 228, 197 |
| RGB Percent | 100%, 89%, 77% |
| CMY | 0.0001, 0.1058, 0.2275 |
| CMYK | 0.00, 0.11, 0.23, 0.00 |
| HSL | 32°, 100%, 89% |
| HSV | 32°, 23%, 100% |
| XYZ | 79.0526, 80.7780, 64.2415 |
| YIQ | 232.5390, 26.0430, -3.9170 |

Conversions

Conversions Part 2

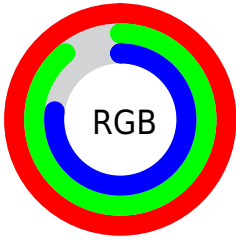
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 248, 255, 197 |
| Decimal | 16770245 |
| CIE Lab | 92.03, 4.56, 18.52 |
| CIE LCh | 92, 19.071, 76.179 |
| Yxy | 80.7780, 0.3528, 0.3605 |
| Android (android.graphics.Color) | 4294960325 (0xFFFFE4C5) |
| YUV | 232.5390, -17.5207, 19.6983 |
| Hunter-Lab | 89.8766, -0.2810, 20.5346 |

Details

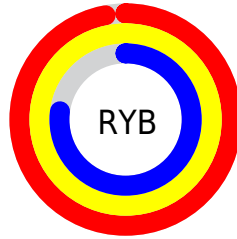
The Yxy color **80.7780, 0.3528, 0.3605** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **72.3692, 0.2763, 0.2953**, and the grayscale version is **81.2399, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.9358, 0.3133, 0.3300**, and **43.8761, 0.3622, 0.3679** is the 20% darker color. If you saturate the color by 10%, you get **73.4094, 0.3741, 0.3751**, and if you desaturate by 10%, it is **88.7987, 0.3338, 0.3462**.

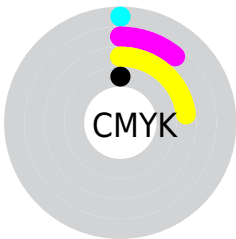
Distribution



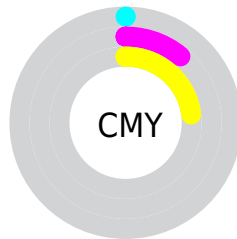
- Red (100%)
- Green (89%)
- Blue (77%)



- Red (97%)
- Yellow (100%)
- Blue (77%)



- Cyan (0%)
- Magenta (11%)
- Yellow (23%)
- Black (0%)




- Cyan (0%)
- Magenta (11%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.7780, 0.3528, 0.3605 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 80.7780, 0.3528, 0.3605 by changing the saturation by 10% instead.


 80.7780, 0.3528,
0.3605

 80.7780, 0.3528,
0.3605


497.5509, 0.3345,
0.3464

 60.3588, 0.3569,
0.3636


134.4590, 0.3465,
0.3557

 43.7079, 0.3619,
0.3674


168.4896, 0.3441,
0.3538

 30.4409, 0.3682,
0.3720


207.8261, 0.3419,
0.3522

 20.1735, 0.3763,
0.3780

252.8528, 0.3401,
0.3507

 12.5212, 0.3870,
0.3857

303.9543, 0.3385,
0.3495

 7.0997, 0.4020,
0.3962

361.5149, 0.3370,

 3.5245, 0.4239,

0.3483

0.4108

425.9190, 0.3357,
0.3473

■ 1.4113, 0.4889,
0.4603

■ 0.2250, 0.5909,
0.4091

■ 80.7780, 0.3528,
0.3605

■ 80.7780, 0.3528,
0.3605

■ 73.4094, 0.3741,
0.3751

■ 88.7987, 0.3338,
0.3462

■ 66.6633, 0.3976,
0.3893

■ 97.4785, 0.3170,
0.3326

■ 60.5231, 0.4229,
0.4025

99.9947, 0.3127,
0.3290

■ 54.9677, 0.4492,
0.4133

■ 49.9737, 0.4752,
0.4206

■ 45.5156, 0.4994,
0.4231

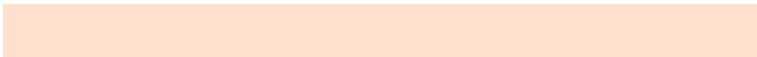
■ 41.5641, 0.5202,
0.4201

■ 38.9868, 0.5331,
0.4149

Harmonies

Analogous

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



80.7780, 0.3566, 0.3450



80.7780, 0.3528, 0.3605



80.7780, 0.3380, 0.3681

Triad

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



80.7780, 0.3528, 0.3605



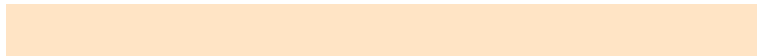
80.7780, 0.2783, 0.3303



80.7780, 0.3074, 0.2963

Complementary

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



80.7780, 0.3528, 0.3605



72.3692, 0.2763, 0.2953

Split Complementary

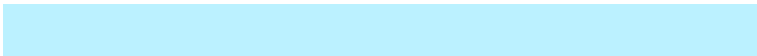
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.7780, 0.2870, 0.2919



80.7780, 0.3528, 0.3605



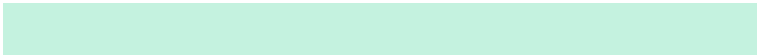
80.7780, 0.2707, 0.3105

Square

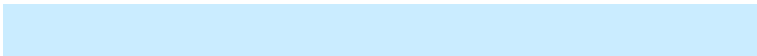
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.7780, 0.3528, 0.3605



80.7780, 0.2950, 0.3506



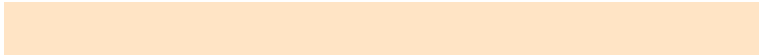
80.7780, 0.2739, 0.2968



80.7780, 0.3299, 0.3087

Rectangle

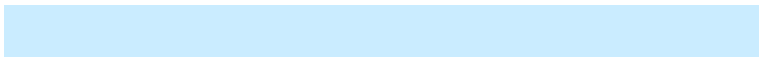
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.7780, 0.3528, 0.3605



80.7780, 0.3243, 0.3671



80.7780, 0.2739, 0.2968



80.7780, 0.3001, 0.2939

Sweetspot

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



80.7817, 0.3528, 0.3605



93.7224, 0.3238, 0.3383



66.5672, 0.3383, 0.3016



19.9479, 0.3249, 0.3391



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.



80.7817, 0.3528, 0.3605



77.5828, 0.3616, 0.3667



96.4231, 0.3459, 0.3862



19.5969, 0.3281, 0.3417



20.6785, 0.5308, 0.4168



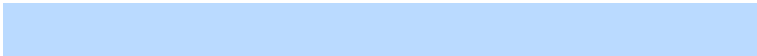
2.2322, 0.5146, 0.4296

Inverse Universe

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



72.3692, 0.2763, 0.2953



67.9025, 0.2692, 0.2881



59.2778, 0.2752, 0.2651



18.7697, 0.2979, 0.3159



10.9024, 0.1739, 0.1458



1.2776, 0.1798, 0.1673

Previews

White Background



This preview shows how the Yxy color 80.7780, 0.3528, 0.3605 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 80.7780, 0.3528, 0.3605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

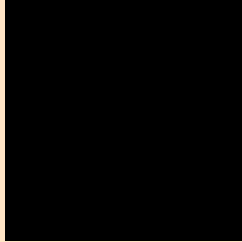
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.7780, 0.3528, 0.3605

Background



This preview shows how black text looks on a background with the Yxy color 80.7780, 0.3528, 0.3605.



This preview shows how white text looks on a background with the Yxy color 80.7780, 0.3528, 0.3605.

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

80.7780, 0.3528, 0.3605

Protanopia

81.0698, 0.3426, 0.3632

Deuteranopia

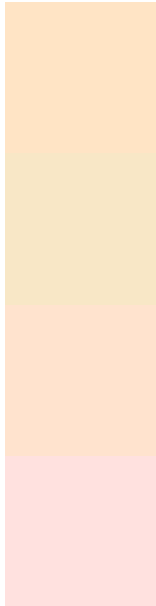
80.9013, 0.3433, 0.3452



Tritanopia

80.7444, 0.3253, 0.3152

Trichromacy



Original Color

80.7780, 0.3528, 0.3605

Protanomaly

81.1855, 0.3464, 0.3630

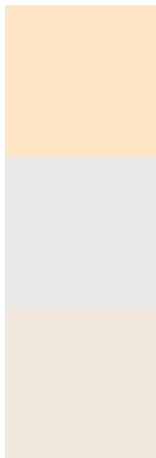
Deuteranomaly

80.6544, 0.3468, 0.3503

Tritanomaly

80.4381, 0.3354, 0.3311

Monochromacy



Original Color

80.7780, 0.3528, 0.3605

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.0199, 0.3267, 0.3404

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.7780, 0.3528, 0.3605 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, 197)` looks like.

```
.text, #text, p{  
    color:rgb(255, 228, 197)  
}
```

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, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 228, 197) }
```

Border

The CSS property to change the border of an element to Yxy 80.7780, 0.3528, 0.3605 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, 197) }
```

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

```
.border{ border-color:rgb(255, 228, 197) }
```

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, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 228, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 228, 197); box-shadow:4px 4px 4px 4px rgb(255, 228, 197) }
```


Background

The CSS property to change the background color of an element to Yxy 80.7780, 0.3528, 0.3605 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, 197) }
```

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

```
.background{ background-color: rgb(255,  
228, 197) }
```

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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