

Converting Colors

$Y_{xy}(113.7759, 0.4600, 0.3621)$

Have a look what the booklet for
Yxy(113.7759, 0.4600, 0.3621)
contains.

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Color

Yxy(78.8270, 0.3672, 0.3790)

Conversions

Conversions Part 1

Format	Color
Hex	FFE2B1
RGB	255, 226, 177
RGB Percent	100%, 89%, 69%
CMY	0.0000, 0.1137, 0.3059
CMYK	0.00, 0.11, 0.31, 0.00
HSL	38°, 100%, 85%
HSV	38°, 31%, 100%
XYZ	76.3728, 78.8270, 52.7871
YIQ	229.0850, 33.0130, -9.0910

Conversions

Conversions Part 2

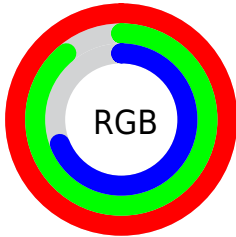
Format	Color
R_{YB}	223, 255, 177
Decimal	16769713
CIE _{Lab}	91.16, 2.96, 27.64
CIE _{LCh}	91, 27.794, 83.885
Yxy	78.8270, 0.3672, 0.3790
Android (android.graphics.Color)	4294959793 (0xFFFFE2B1)
YUV	229.0850, -25.6779, 22.7275
Hunter-Lab	88.7846, -1.8268, 26.8982

Details

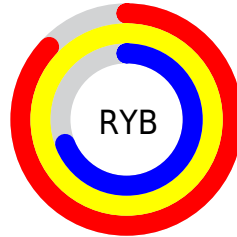
The Yxy color **78.8270, 0.3672, 0.3790** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **60.7107, 0.2621, 0.2732**, and the grayscale version is **78.5970, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6632, 0.3256, 0.3503**, and **42.4514, 0.3790, 0.3903** is the 20% darker color. If you saturate the color by 10%, you get **72.8926, 0.3884, 0.3956**, and if you desaturate by 10%, it is **85.2433, 0.3476, 0.3621**.

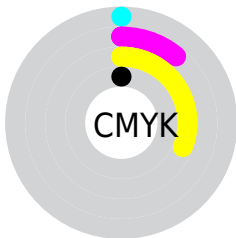
Distribution



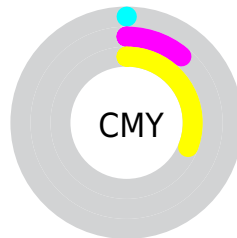
- Red (100%)
- Green (89%)
- Blue (69%)



- Red (87%)
- Yellow (100%)
- Blue (69%)



- Cyan (0%)
- Magenta (11%)
- Yellow (31%)
- Black (0%)




- Cyan (0%)
- Magenta (11%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.8270, 0.3672, 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 78.8270, 0.3672, 0.3790 by changing the saturation by 10% instead.

 78.8270, 0.3672,
0.3790

 78.8270, 0.3672,
0.3790

490.9709, 0.3424,
0.3565

 58.7536, 0.3727,
0.3839


 131.7153, 0.3587,
0.3714

 42.4148, 0.3794,
0.3899


165.2989, 0.3554,
0.3684

 29.4262, 0.3877,
0.3972


204.1548, 0.3525,
0.3657

 19.4035, 0.3983,
0.4064

248.6672, 0.3500,
0.3634

 11.9622, 0.4121,
0.4183

299.2207, 0.3478,
0.3614

 6.7179, 0.4305,
0.4337

356.1995, 0.3458,

 3.2863, 0.4581,

0.3596

0.4562

419.9881, 0.3440,
0.3580

■ 1.2830, 0.5060,
0.4940

■ 0.1280, 0.6024,
0.3976

■ 78.8270, 0.3672,
0.3790

■ 78.8270, 0.3672,
0.3790

■ 72.8926, 0.3884,
0.3956

■ 85.2433, 0.3476,
0.3621

■ 67.4146, 0.4107,
0.4112

■ 92.1454, 0.3297,
0.3456

■ 62.3803, 0.4333,
0.4246

■ 99.5504, 0.3136,
0.3299

■ 57.7717, 0.4553,
0.4347

■ 100.0000, 0.3127,
0.3290

■ 53.5691, 0.4754,
0.4403

■ 49.7495, 0.4926,
0.4406

■ 46.4722, 0.5058,
0.4366

Harmonies

Analogous

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



78.8270, 0.3778, 0.3580



78.8270, 0.3672, 0.3790



78.8270, 0.3420, 0.3874

Triad

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



78.8270, 0.3672, 0.3790



78.8270, 0.2585, 0.3223



78.8270, 0.3130, 0.2856

Complementary

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



78.8270, 0.3672, 0.3790



60.7107, 0.2621, 0.2732

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.



78.8270, 0.2819, 0.2759



78.8270, 0.3672, 0.3790



78.8270, 0.2517, 0.2951

Square

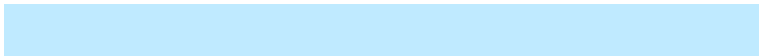
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.8270, 0.3672, 0.3790



78.8270, 0.2794, 0.3537



78.8270, 0.2600, 0.2788



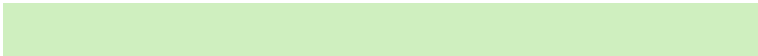
78.8270, 0.3457, 0.3055

Rectangle

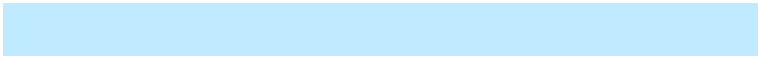
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.8270, 0.3672, 0.3790



78.8270, 0.3207, 0.3834



78.8270, 0.2600, 0.2788



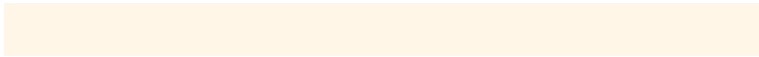
78.8270, 0.3020, 0.2811

Sweetspot

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



78.8304, 0.3672, 0.3790



93.2858, 0.3270, 0.3431



57.2070, 0.3556, 0.2982



19.7430, 0.3294, 0.3454



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.



78.8304, 0.3672, 0.3790



74.9680, 0.3806, 0.3897



94.2695, 0.3529, 0.4073



19.8891, 0.3278, 0.3439



24.5785, 0.5040, 0.4380



2.6026, 0.4918, 0.4477

Inverse Universe

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



60.7107, 0.2621, 0.2732



54.1165, 0.2508, 0.2592



49.1191, 0.2644, 0.2403



18.4838, 0.2979, 0.3136



8.2915, 0.1661, 0.1178



1.0083, 0.1723, 0.1402

Previews

White Background



This preview shows how the Yxy color 78.8270, 0.3672, 0.3790 looks on a white background.

Color Contrast Check

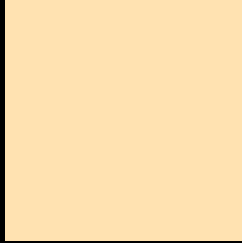
Large Text (above 18pt) WCAG AA × Fail

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 78.8270, 0.3672, 0.3790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

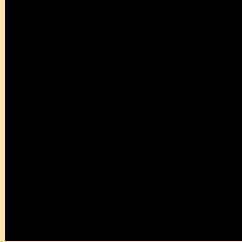
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.8270, 0.3672, 0.3790

Background



This preview shows how black text looks on a background with the Yxy color 78.8270, 0.3672, 0.3790.

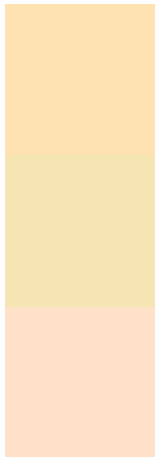


This preview shows how white text looks on a background with the Yxy color 78.8270, 0.3672, 0.3790.

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

78.8270, 0.3672, 0.3790

Protanopia

78.7058, 0.3575, 0.3812

Deuteranopia

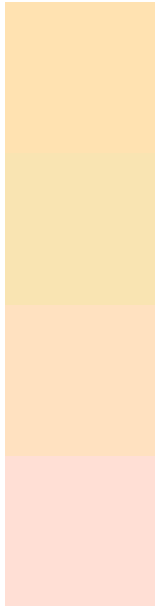
78.7414, 0.3516, 0.3535



Tritanopia

78.9134, 0.3283, 0.3161

Trichromacy



Original Color

78.8270, 0.3672, 0.3790

Protanomaly

78.8409, 0.3614, 0.3807

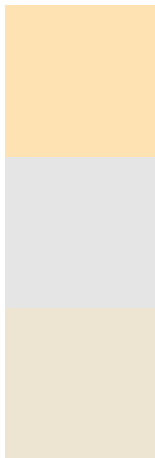
Deuteranomaly

78.9162, 0.3570, 0.3627

Tritanomaly

78.8394, 0.3426, 0.3392

Monochromacy



Original Color

78.8270, 0.3672, 0.3790

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.3171, 0.3316, 0.3479

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.8270, 0.3672, 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(255, 226, 177)` looks like.

```
.text, #text, p{  
    color:rgb(255, 226, 177)  
}
```

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, 226, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 226, 177) }
```

Border

The CSS property to change the border of an element to Yxy 78.8270, 0.3672, 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(255, 226, 177) }
```

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

```
.border{ border-color:rgb(255, 226, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 226, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 226, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 226, 177); box-shadow:4px 4px 4px 4px rgb(255, 226, 177) }
```


Background

The CSS property to change the background color of an element to Yxy 78.8270, 0.3672, 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(255, 226, 177) }
```

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

```
.background{ background-color: rgb(255,  
226, 177) }
```

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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