

Converting Colors

$Y_{xy}(79.1101, 0.3664, 0.3784)$

Have a look what the booklet for
Yxy(79.1101, 0.3664, 0.3784)
contains.

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Color

Yxy(78.8671, 0.3665, 0.3780)

Conversions

Conversions Part 1

Format	Color
Hex	FFE2B2
RGB	255, 226, 178
RGB Percent	100%, 89%, 70%
CMY	0.0001, 0.1137, 0.3020
CMYK	0.00, 0.11, 0.30, 0.00
HSL	37°, 100%, 85%
HSV	37°, 30%, 100%
XYZ	76.4677, 78.8671, 53.3083
YIQ	229.1990, 32.6920, -8.7800

Conversions

Conversions Part 2

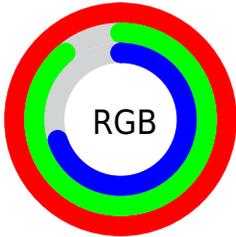
Format	Color
R_{YB}	225, 255, 178
Decimal	16769714
CIE _{Lab}	91.17, 3.07, 27.15
CIE _{LCh}	91, 27.326, 83.539
Yxy	78.8671, 0.3665, 0.3780
Android (android.graphics.Color)	4294959794 (0xFFFFE2B2)
YUV	229.1990, -25.2411, 22.6275
Hunter-Lab	88.8072, -1.7145, 26.5750

Details

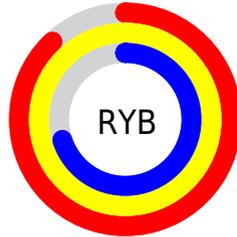
The Yxy color **78.8671, 0.3665, 0.3780** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **61.2938, 0.2629, 0.2744**, and the grayscale version is **78.6809, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7205, 0.3250, 0.3493**, and **42.4768, 0.3781, 0.3890** is the 20% darker color. If you saturate the color by 10%, you get **72.8659, 0.3877, 0.3945**, and if you desaturate by 10%, it is **85.3580, 0.3469, 0.3613**.

Distribution



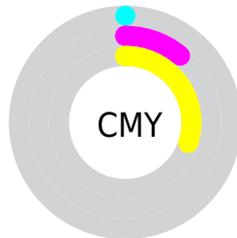
- Red (100%)
- Green (89%)
- Blue (70%)



- Red (88%)
- Yellow (100%)
- Blue (70%)



- Cyan (0%)
- Magenta (11%)
- Yellow (30%)
- Black (0%)



- Cyan (0%)
- Magenta (11%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.8671, 0.3665, 0.3780 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 78.8671, 0.3665, 0.3780 by changing the saturation by 10% instead.

 78.8671, 0.3665,
0.3780

 78.8671, 0.3665,
0.3780

491.1066, 0.3420,
0.3560

 58.7865, 0.3719,
0.3828

 131.7717, 0.3581,
0.3705

 42.4413, 0.3786,
0.3887

165.3646, 0.3548,
0.3676

 29.4470, 0.3868,
0.3959

204.2304, 0.3520,
0.3650

 19.4192, 0.3973,
0.4049

248.7535, 0.3495,
0.3628

 11.9736, 0.4109,
0.4166

299.3183, 0.3473,
0.3608

 6.7257, 0.4293,
0.4318

356.3091, 0.3454,

 3.2912, 0.4564,

0.3590

0.4535

420.1104, 0.3436,
0.3574

■ 1.2856, 0.5067,
0.4933

■ 0.1300, 0.6044,
0.3956

■ 78.8671, 0.3665,
0.3780

■ 78.8671, 0.3665,
0.3780

■ 72.8659, 0.3877,
0.3945

■ 85.3580, 0.3469,
0.3613

■ 67.3283, 0.4101,
0.4101

■ 92.3420, 0.3290,
0.3449

■ 62.2414, 0.4329,
0.4235

■ 99.8365, 0.3130,
0.3293

■ 57.5873, 0.4552,
0.4336

■ 99.9973, 0.3127,
0.3290

■ 53.3460, 0.4756,
0.4393

■ 49.4946, 0.4931,
0.4398

■ 46.0632, 0.5071,
0.4355

Harmonies

Analogous

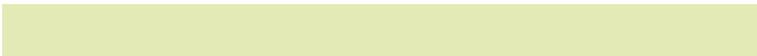
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.8671, 0.3767, 0.3573



78.8671, 0.3665, 0.3780



78.8671, 0.3418, 0.3864

Triad

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



78.8671, 0.3665, 0.3780



78.8671, 0.2596, 0.3228



78.8671, 0.3127, 0.2862

Complementary

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



78.8671, 0.3665, 0.3780



61.2938, 0.2629, 0.2744

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.



78.8671, 0.2821, 0.2767



78.8671, 0.3665, 0.3780



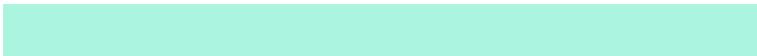
78.8671, 0.2526, 0.2959

Square

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



78.8671, 0.3665, 0.3780



78.8671, 0.2803, 0.3536



78.8671, 0.2606, 0.2798



78.8671, 0.3448, 0.3056

Rectangle

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



78.8671, 0.3665, 0.3780



78.8671, 0.3210, 0.3826



78.8671, 0.2606, 0.2798



78.8671, 0.3019, 0.2817

Sweetspot

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



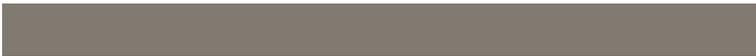
78.8707, 0.3665, 0.3780



93.2218, 0.3270, 0.3430



57.6259, 0.3549, 0.2986



19.7272, 0.3295, 0.3453



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.



78.8707, 0.3665, 0.3780



75.3362, 0.3787, 0.3877



94.3184, 0.3524, 0.4063



19.8746, 0.3279, 0.3438



24.3687, 0.5053, 0.4370



2.5830, 0.4929, 0.4469

Inverse Universe

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



61.2938, 0.2629, 0.2744



55.3001, 0.2526, 0.2620



49.6197, 0.2651, 0.2416



18.4978, 0.2979, 0.3138



8.4037, 0.1664, 0.1191



1.0202, 0.1727, 0.1415

Previews

White Background



This preview shows how the Yxy color 78.8671, 0.3665, 0.3780 looks on a white background.

Color Contrast Check

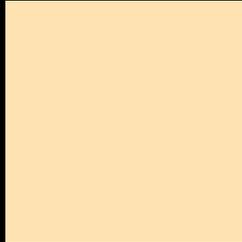
Large Text (above 18pt) WCAG AA × Fail

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 78.8671, 0.3665, 0.3780 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 78.8671, 0.3665, 0.3780

Background



This preview shows how black text looks on a background with the Yxy color 78.8671, 0.3665, 0.3780.

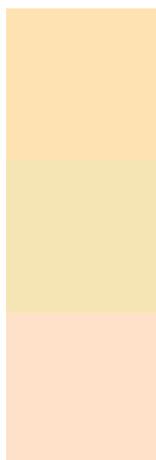


This preview shows how white text looks on a background with the Yxy color 78.8671, 0.3665, 0.3780.

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

78.8671, 0.3665, 0.3780

Protanopia

78.7464, 0.3568, 0.3802

Deuteranopia

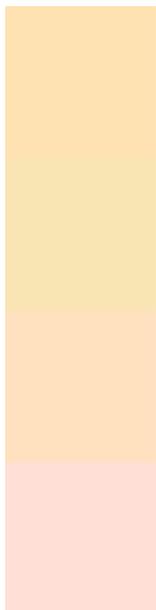
78.7414, 0.3516, 0.3535



Tritanopia

78.9134, 0.3283, 0.3161

Trichromacy



Original Color

78.8671, 0.3665, 0.3780

Protanomaly

78.8812, 0.3608, 0.3797

Deuteranomaly

78.9162, 0.3570, 0.3627

Tritanomaly

78.8904, 0.3419, 0.3382

Monochromacy



Original Color

78.8671, 0.3665, 0.3780

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 78.8671, 0.3665, 0.3780 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, 178)` looks like.

```
.text, #text, p{  
    color:rgb(255, 226, 178)  
}
```

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, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 226, 178) }
```

Border

The CSS property to change the border of an element to Yxy 78.8671, 0.3665, 0.3780 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, 178) }
```

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

```
.border{ border-color:rgb(255, 226, 178) }
```

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, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 226, 178); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 226, 178); box-shadow:4px 4px 4px 4px rgb(255, 226, 178) }
```

Background

The CSS property to change the background color of an element to Yxy 78.8671, 0.3665, 0.3780 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, 178) }
```

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

```
.background{ background-color: rgb(255,  
226, 178) }
```

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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