

Converting Colors

$Y_{xy}(78.2056, 0.3689, 0.3801)$

Have a look what the booklet for
Yxy(78.2056, 0.3689, 0.3801)
contains.

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Color

Yxy(78.2056, 0.3689, 0.3801)

Conversions

Conversions Part 1

Format	Color
Hex	FFE1AF
RGB	255, 225, 175
RGB Percent	100%, 88%, 69%
CMY	0.0000, 0.1176, 0.3138
CMYK	0.00, 0.12, 0.31, 0.00
HSL	38°, 100%, 84%
HSV	38°, 31%, 100%
XYZ	75.9012, 78.2056, 51.6433
YIQ	228.2700, 33.9300, -9.1900

Conversions

Conversions Part 2

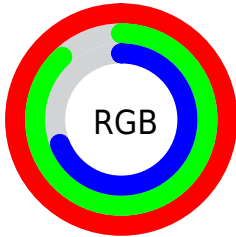
Format	Color
R _Y B	223, 255, 175
Decimal	16769455
CIE Lab	90.87, 3.22, 28.29
CIE LCh	91, 28.475, 83.509
Yxy	78.2056, 0.3689, 0.3801
Android (android.graphics.Color)	4294959535 (0xFFFFE1AF)
YUV	228.2700, -26.2621, 23.4422
Hunter-Lab	88.4339, -1.5561, 27.2798

Details

The Yxy color **78.2056, 0.3689, 0.3801** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **59.9825, 0.2608, 0.2718**, and the grayscale version is **77.9696, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5495, 0.3268, 0.3522**, and **42.0249, 0.3813, 0.3916** is the 20% darker color. If you saturate the color by 10%, you get **72.2759, 0.3903, 0.3966**, and if you desaturate by 10%, it is **84.6209, 0.3491, 0.3633**.

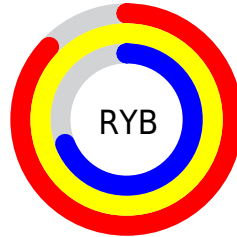
Distribution



Red (100%)

Green (88%)

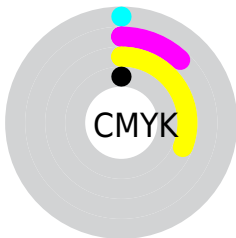
Blue (69%)



Red (87%)

Yellow (100%)

Blue (69%)

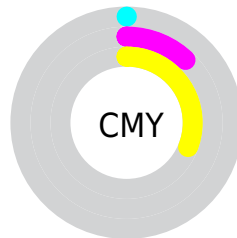


Cyan (0%)

Magenta (12%)

Yellow (31%)

Black (0%)



Cyan (0%)


Magenta (12%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.2056, 0.3689, 0.3801 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 78.2056, 0.3689, 0.3801 by changing the saturation by 10% instead.


 78.2056, 0.3689,
0.3801

 78.2056, 0.3689,
0.3801


488.8648, 0.3433,
0.3571

 58.2429, 0.3746,
0.3851


 130.8399, 0.3601,
0.3723

 42.0039, 0.3815,
0.3912


164.2803, 0.3567,
0.3692

 29.1044, 0.3901,
0.3987


202.9820, 0.3537,
0.3665

 19.1598, 0.4010,
0.4081

247.3295, 0.3511,
0.3642

 11.7858, 0.4152,
0.4201

297.7071, 0.3488,
0.3621

 6.5980, 0.4342,
0.4356

354.4993, 0.3468,

 3.2120, 0.4637,

0.3603

0.4594

418.0904, 0.3450,
0.3586

■ 1.2434, 0.5079,
0.4921

■ 0.0967, 0.6381,
0.3619

■ 78.2056, 0.3689,
0.3801

■ 78.2056, 0.3689,
0.3801

■ 72.2759, 0.3903,
0.3966

■ 84.6209, 0.3491,
0.3633

■ 66.8058, 0.4127,
0.4120

■ 91.5255, 0.3310,
0.3468

■ 61.7822, 0.4354,
0.4251

■ 98.9367, 0.3148,
0.3311

■ 57.1871, 0.4575,
0.4348

99.9997, 0.3127,
0.3290

■ 53.0003, 0.4775,
0.4400

■ 49.1985, 0.4946,
0.4398

■ 46.2015, 0.5067,
0.4359

Harmonies

Analogous

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



78.2056, 0.3796, 0.3584



78.2056, 0.3689, 0.3801



78.2056, 0.3431, 0.3891

Triad

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



78.2056, 0.3689, 0.3801



78.2056, 0.2573, 0.3225



78.2056, 0.3126, 0.2844

Complementary

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



78.2056, 0.3689, 0.3801



59.9825, 0.2608, 0.2718

Split Complementary

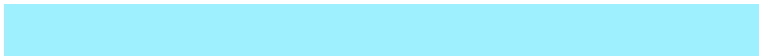
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.2056, 0.2807, 0.2745



78.2056, 0.3689, 0.3801



78.2056, 0.2501, 0.2944

Square

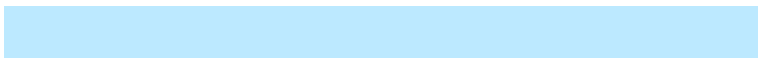
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.2056, 0.3689, 0.3801



78.2056, 0.2788, 0.3548



78.2056, 0.2584, 0.2776



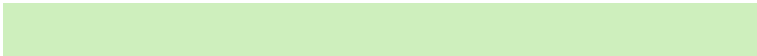
78.2056, 0.3461, 0.3046

Rectangle

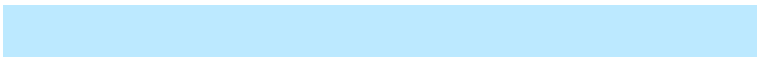
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.2056, 0.3689, 0.3801



78.2056, 0.3213, 0.3851



78.2056, 0.2584, 0.2776



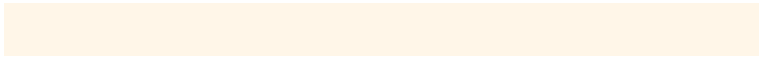
78.2056, 0.3013, 0.2798

Sweetspot

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



78.2092, 0.3689, 0.3801



93.2430, 0.3270, 0.3430



56.3532, 0.3571, 0.2974



19.7324, 0.3295, 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.



78.2092, 0.3689, 0.3801



74.2288, 0.3829, 0.3911



94.1454, 0.3539, 0.4094



19.8794, 0.3279, 0.3438



24.4380, 0.5049, 0.4373



2.5895, 0.4925, 0.4472

Inverse Universe

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



59.9825, 0.2608, 0.2718



53.2696, 0.2491, 0.2573



48.1037, 0.2629, 0.2377



18.4932, 0.2979, 0.3137



8.3664, 0.1663, 0.1186



1.0162, 0.1725, 0.1411

Previews

White Background



This preview shows how the Yxy color 78.2056, 0.3689, 0.3801 looks on a white background.

Color Contrast Check

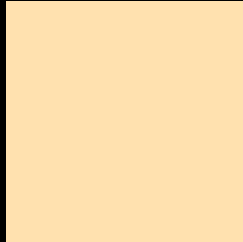
Large Text (above 18pt) WCAG AA × Fail

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 78.2056, 0.3689, 0.3801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

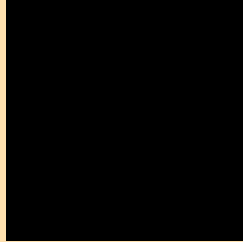
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.2056, 0.3689, 0.3801

Background



This preview shows how black text looks on a background with the Yxy color 78.2056, 0.3689, 0.3801.



This preview shows how white text looks on a background with the Yxy color 78.2056, 0.3689, 0.3801.

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

78.2056, 0.3689, 0.3801

Protanopia

78.4460, 0.3581, 0.3834

Deuteranopia

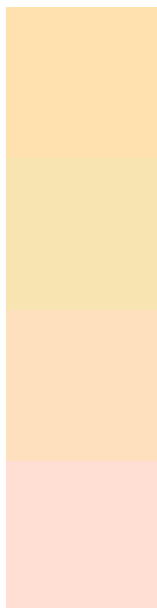
78.1126, 0.3532, 0.3545



Tritanopia

78.3296, 0.3291, 0.3161

Trichromacy



Original Color

78.2056, 0.3689, 0.3801

Protanomaly

78.5779, 0.3621, 0.3829

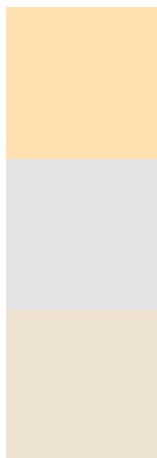
Deuteranomaly

78.2890, 0.3586, 0.3637

Tritanomaly

78.2560, 0.3435, 0.3392

Monochromacy



Original Color

78.2056, 0.3689, 0.3801

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.7188, 0.3324, 0.3479

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.2056, 0.3689, 0.3801 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, 225, 175)` looks like.

```
.text, #text, p{  
    color:rgb(255, 225, 175)  
}
```

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, 225, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 225, 175) }
```

Border

The CSS property to change the border of an element to Yxy 78.2056, 0.3689, 0.3801 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, 225, 175) }
```

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

```
.border{ border-color:rgb(255, 225, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 225, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 225, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 225, 175);  
box-shadow:4px 4px 4px 4px rgb(255, 225,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 78.2056, 0.3689, 0.3801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 225, 175) }
```

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

```
.background{ background-color: rgb(255,  
225, 175) }
```

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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