

Converting Colors

$Y_{xy}(77.7691, 0.3759, 0.3903)$

Have a look what the booklet for
Yxy(77.7691, 0.3759, 0.3903)
contains.

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Color

Yxy(77.8270, 0.3758, 0.3902)

Conversions

Conversions Part 1

Format	Color
Hex	FFE1A5
RGB	255, 225, 165
RGB Percent	100%, 88%, 65%
CMY	0.0000, 0.1176, 0.3529
CMYK	0.00, 0.12, 0.35, 0.00
HSL	40°, 100%, 82%
HSV	40°, 35%, 100%
XYZ	74.9549, 77.8270, 46.6723
YIQ	227.1300, 37.1400, -12.3000

Conversions

Conversions Part 2

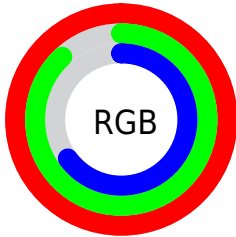
Format	Color
R_{YB}	210, 255, 165
Decimal	16769445
CIE _{Lab}	90.70, 2.03, 33.17
CIE _{LCh}	91, 33.231, 86.502
Yxy	77.8270, 0.3758, 0.3902
Android (android.graphics.Color)	4294959525 (0xFFFFE1A5)
YUV	227.1300, -30.6301, 24.4420
Hunter-Lab	88.2196, -2.7237, 30.3866

Details

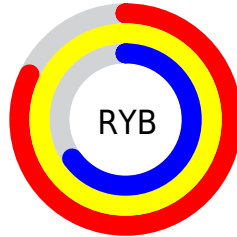
The Yxy color **77.8270, 0.3758, 0.3902** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **54.2462, 0.2532, 0.2588**, and the grayscale version is **77.1243, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9473, 0.3333, 0.3631**, and **41.8120, 0.3892, 0.4030** is the 20% darker color. If you saturate the color by 10%, you get **72.5122, 0.3967, 0.4073**, and if you desaturate by 10%, it is **83.5627, 0.3560, 0.3725**.

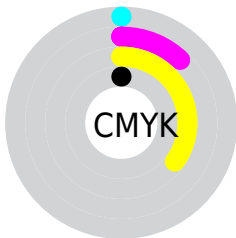
Distribution



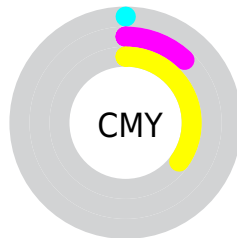
- Red (100%)
- Green (88%)
- Blue (65%)



- Red (82%)
- Yellow (100%)
- Blue (65%)



- Cyan (0%)
- Magenta (12%)
- Yellow (35%)
- Black (0%)




- Cyan (0%)
- Magenta (12%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.8270, 0.3758, 0.3902 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 77.8270, 0.3758, 0.3902 by changing the saturation by 10% instead.


 77.8270, 0.3758,
0.3902


 77.8270, 0.3758,
0.3902

487.5791, 0.3472,
0.3627

 57.9319, 0.3821,
0.3962

 130.3062, 0.3661,
0.3809

 41.7539, 0.3897,
0.4034

 163.6591, 0.3622,
0.3772

 28.9086, 0.3991,
0.4122


202.2667, 0.3589,
0.3740

 19.0117, 0.4108,
0.4232

246.5134, 0.3560,
0.3712

 11.6787, 0.4258,
0.4370

296.7836, 0.3534,
0.3687

 6.5253, 0.4450,
0.4544

353.4617, 0.3511,

 3.1671, 0.4833,

0.3665

0.4894

416.9320, 0.3491,
0.3645

■ 1.2196, 0.5004,
0.4996

■ 0.0776, 0.6137,
0.3863

■ 77.8270, 0.3758,
0.3902

■ 77.8270, 0.3758,
0.3902

■ 72.5122, 0.3967,
0.4073

■ 83.5627, 0.3560,
0.3725

■ 67.5932, 0.4180,
0.4228

■ 89.7219, 0.3376,
0.3548

■ 63.0579, 0.4390,
0.4355

■ 96.3208, 0.3209,
0.3377

■ 58.8892, 0.4585,
0.4444

99.9984, 0.3127,
0.3290

■ 55.0674, 0.4756,
0.4483

■ 51.5689, 0.4894,
0.4471

■ 50.0181, 0.4950,
0.4452

Harmonies

Analogous

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



77.8270, 0.3906, 0.3655



77.8270, 0.3758, 0.3902



77.8270, 0.3442, 0.3995

Triad

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



77.8270, 0.3758, 0.3902



77.8270, 0.2468, 0.3173



77.8270, 0.3164, 0.2793

Complementary

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



77.8270, 0.3758, 0.3902



54.2462, 0.2532, 0.2588

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.



77.8270, 0.2786, 0.2665



77.8270, 0.3758, 0.3902



77.8270, 0.2404, 0.2857

Square

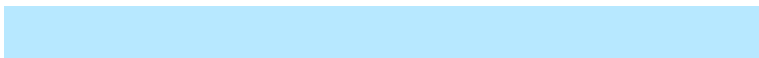
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.8270, 0.3758, 0.3902



77.8270, 0.2700, 0.3556



77.8270, 0.2516, 0.2682



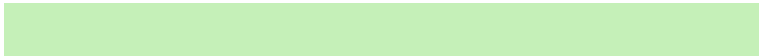
77.8270, 0.3553, 0.3033

Rectangle

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



77.8270, 0.3758, 0.3902



77.8270, 0.3184, 0.3937



77.8270, 0.2516, 0.2682



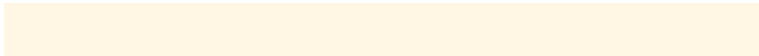
77.8270, 0.3031, 0.2736

Sweetspot

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



77.8306, 0.3758, 0.3902



92.5043, 0.3302, 0.3474



52.1122, 0.3689, 0.2979



19.6100, 0.3326, 0.3497



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

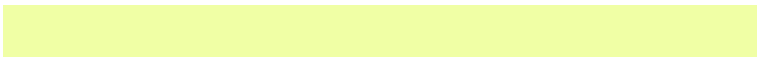
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.8306, 0.3758, 0.3902



74.2219, 0.3897, 0.4018



92.7557, 0.3558, 0.4205



20.0110, 0.3277, 0.3448



26.4235, 0.4934, 0.4464



2.7738, 0.4828, 0.4549

Inverse Universe

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



54.2462, 0.2532, 0.2588



47.6158, 0.2411, 0.2427



43.8371, 0.2587, 0.2253



18.3665, 0.2979, 0.3127



7.4085, 0.1632, 0.1075



0.9126, 0.1694, 0.1298

Previews

White Background



This preview shows how the Yxy color 77.8270, 0.3758, 0.3902 looks on a white background.

Color Contrast Check

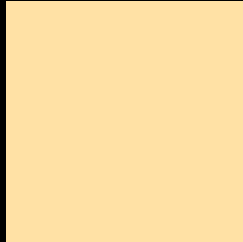
Large Text (above 18pt) WCAG AA × Fail

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 77.8270, 0.3758, 0.3902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

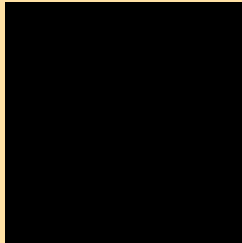
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.8270, 0.3758, 0.3902

Background



This preview shows how black text looks on a background with the Yxy color 77.8270, 0.3758, 0.3902.



This preview shows how white text looks on a background with the Yxy color 77.8270, 0.3758, 0.3902.

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

77.8270, 0.3758, 0.3902

Protanopia

77.8328, 0.3673, 0.3936

Deuteranopia

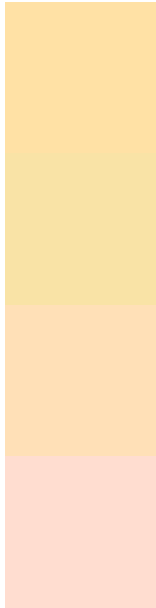
77.9304, 0.3560, 0.3586



Tritanopia

77.7492, 0.3299, 0.3161

Trichromacy



Original Color

77.8270, 0.3758, 0.3902

Protanomaly

77.8311, 0.3699, 0.3921

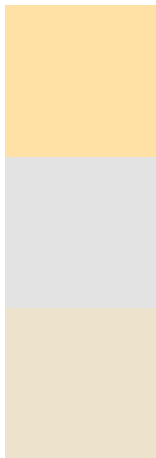
Deuteranomaly

77.9902, 0.3636, 0.3709

Tritanomaly

77.5270, 0.3465, 0.3423

Monochromacy



Original Color

77.8270, 0.3758, 0.3902

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

76.7569, 0.3352, 0.3523

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.8270, 0.3758, 0.3902 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, 165)` looks like.

```
.text, #text, p{  
    color:rgb(255, 225, 165)  
}
```

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, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 225, 165) }
```

Border

The CSS property to change the border of an element to Yxy 77.8270, 0.3758, 0.3902 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, 165) }
```

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

```
.border{ border-color:rgb(255, 225, 165) }
```

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, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 225, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 225, 165);  
box-shadow:4px 4px 4px 4px rgb(255, 225,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 77.8270, 0.3758, 0.3902 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, 165) }
```

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

```
.background{ background-color: rgb(255,  
225, 165) }
```

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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