

Converting Colors

Yxy(67.7898, 0.3951, 0.4300)

Have a look what the booklet for
Yxy(67.7898, 0.3951, 0.4300)
contains.

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Color

Yxy(67.7898, 0.3951, 0.4300)

Conversions

Conversions Part 1

Format	Color
Hex	ECD778
RGB	236, 215, 120
RGB Percent	93%, 84%, 47%
CMY	0.0744, 0.1569, 0.5294
CMYK	0.00, 0.09, 0.49, 0.07
HSL	49°, 75%, 70%
HSV	49°, 49%, 93%
XYZ	62.2878, 67.7898, 27.5731
YIQ	210.4490, 43.0110, -25.0930

Conversions

Conversions Part 2

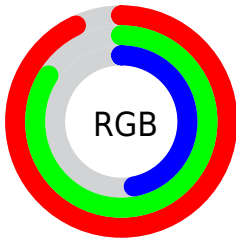
Format	Color
RYB	146, 236, 120
Decimal	15521656
CIELab	85.90, -4.93, 49.16
CIELCh	86, 49.405, 95.724
Yxy	67.7898, 0.3951, 0.4300
Android (android.graphics.Color)	4293711736 (0xFFECD778)
YUV	210.4490, -44.5914, 22.4082
Hunter-Lab	82.3346, -9.0466, 37.7785

Details

The Yxy color **67.7898, 0.3951, 0.4300** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **29.1092, 0.2239, 0.2010**, and the grayscale version is **65.0408, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8360, 0.3608, 0.4086**, and **35.0239, 0.4123, 0.4517** is the 20% darker color. If you saturate the color by 10%, you get **65.1391, 0.4116, 0.4472**, and if you desaturate by 10%, it is **70.6449, 0.3777, 0.4105**.

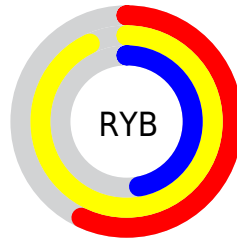
Distribution



Red (93%)

Green (84%)

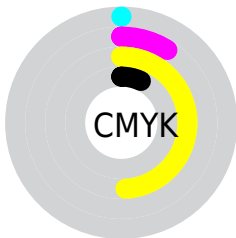
Blue (47%)



Red (57%)

Yellow (93%)

Blue (47%)

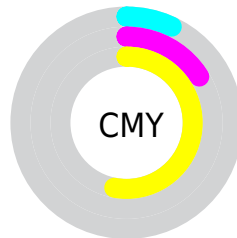


Cyan (0%)

Magenta (9%)

Yellow (49%)

Black (7%)



Cyan (7%)

Magenta (16%)


Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.7898, 0.3951, 0.4300 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 67.7898, 0.3951, 0.4300 by changing the saturation by 10% instead.


 67.7898, 0.3951,
0.4300


 67.7898, 0.3951,
0.4300


452.7509, 0.3583,
0.3838


 49.7267, 0.4028,
0.4400


 116.0514, 0.3828,
0.4143

 35.1963, 0.4118,
0.4519


 147.0187, 0.3779,
0.4081

 23.8141, 0.4223,
0.4662


 183.0562, 0.3736,
0.4027

 15.1958, 0.4343,
0.4832

224.5484, 0.3698,
0.3980

 8.9569, 0.4471,
0.5029

271.8795, 0.3664,
0.3938

 4.7131, 0.4666,
0.5334

325.4341, 0.3634,

 2.0799, 0.4600,

0.3901

0.5400

385.5964, 0.3607,
0.3868

0.6533, 0.4339,
0.5661

0.0000, 0.0000,
0.0000

67.7898, 0.3951,
0.4300

67.7898, 0.3951,
0.4300

65.1391, 0.4116,
0.4472

70.6449, 0.3777,
0.4105

62.6725, 0.4264,
0.4610


73.7050, 0.3602,
0.3897


60.3805, 0.4389,
0.4706


76.9821, 0.3431,
0.3685

58.2485, 0.4486,
0.4755


80.4849, 0.3267,
0.3475


 56.2539, 0.4555,
0.4761

 84.2211, 0.3115,
0.3273

 56.0889, 0.4560,
0.4761

 87.7644, 0.3012,
0.3147

 90.3213, 0.3012,
0.3190

 92.9379, 0.3012,
0.3233

 95.6148, 0.3012,
0.3275

Harmonies

Analogous

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



67.7898, 0.4292, 0.3943



67.7898, 0.3951, 0.4300



67.7898, 0.3407, 0.4394

Triad

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



67.7898, 0.3951, 0.4300



67.7898, 0.2078, 0.2914



67.7898, 0.3365, 0.2642

Complementary

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



67.7898, 0.3951, 0.4300



29.1092, 0.2239, 0.2010

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.



67.7898, 0.2760, 0.2399



67.7898, 0.3951, 0.4300



67.7898, 0.2070, 0.2510

Square

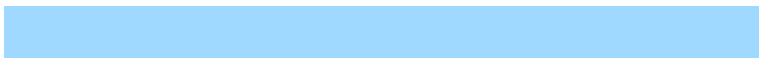
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.7898, 0.3951, 0.4300



67.7898, 0.2337, 0.3510



67.7898, 0.2304, 0.2345



67.7898, 0.3952, 0.3024

Rectangle

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



67.7898, 0.3951, 0.4300



67.7898, 0.3008, 0.4240



67.7898, 0.2304, 0.2345



67.7898, 0.3155, 0.2542

Sweetspot

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



67.7930, 0.3951, 0.4300



93.4343, 0.3363, 0.3598



33.2026, 0.4248, 0.3056



19.8120, 0.3398, 0.3643



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.



67.7930, 0.3951, 0.4300



77.6145, 0.4117, 0.4473



73.5391, 0.3574, 0.4610



17.1357, 0.3272, 0.3481



31.0867, 0.4553, 0.4767



2.5619, 0.4495, 0.4813

Inverse Universe

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



29.1092, 0.2239, 0.2010



26.6471, 0.2044, 0.1700



26.6349, 0.2463, 0.1837



14.9903, 0.2980, 0.3091



4.4151, 0.1547, 0.0769



0.4728, 0.1612, 0.1002

Previews

White Background



This preview shows how the Yxy color 67.7898, 0.3951, 0.4300 looks on a white background.

Color Contrast Check

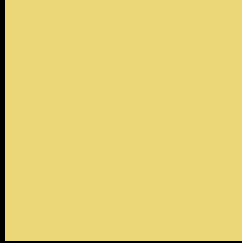
Large Text (above 18pt) WCAG AA × Fail

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 67.7898, 0.3951, 0.4300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

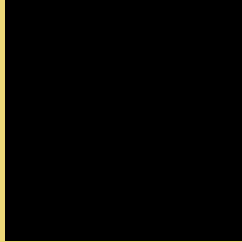
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.7898, 0.3951, 0.4300

Background



This preview shows how black text looks on a background with the Yxy color 67.7898, 0.3951, 0.4300.



This preview shows how white text looks on a background with the Yxy color 67.7898, 0.3951, 0.4300.

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

67.7898, 0.3951, 0.4300

Protanopia

67.7898, 0.3951, 0.4300

Deuteranopia

67.8386, 0.3994, 0.3959



Tritanopia

67.8930, 0.3342, 0.3135

Trichromacy



Original Color

67.7898, 0.3951, 0.4300

Protanomaly

67.7898, 0.3951, 0.4300

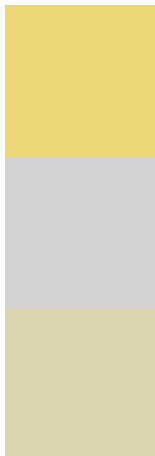
Deuteranomaly

67.7709, 0.3980, 0.4083

Tritanomaly

67.4079, 0.3576, 0.3560

Monochromacy



Original Color

67.7898, 0.3951, 0.4300

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

65.3214, 0.3429, 0.3690

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.7898, 0.3951, 0.4300 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(236, 215, 120)` looks like.

```
.text, #text, p{  
    color:rgb(236, 215, 120)  
}
```

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(236, 215, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 215, 120) }
```

Border

The CSS property to change the border of an element to Yxy 67.7898, 0.3951, 0.4300 is called "border". The border property can be set on classes, ids or directly on the HTML element.

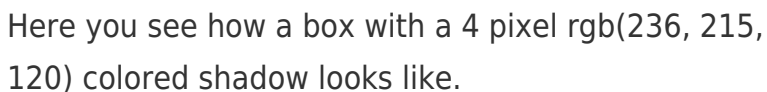
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(236, 215, 120) }
```

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

```
.border{ border-color:rgb(236, 215, 120) }
```

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



Here you see how a box with a 4 pixel `rgb(236, 215, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 215, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 215, 120);  
box-shadow:4px 4px 4px 4px rgb(236, 215,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 67.7898, 0.3951, 0.4300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 215, 120) }
```

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

```
.background{ background-color: rgb(236,  
215, 120) }
```

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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