

Converting Colors

$Yxy(68.0774, 0.4030, 0.4487)$

Have a look what the booklet for
Yxy(68.0774, 0.4030, 0.4487)
contains.

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Color

Yxy(68.0774, 0.4030, 0.4487)

Conversions

Conversions Part 1

Format	Color
Hex	EAD966
RGB	234, 217, 102
RGB Percent	92%, 85%, 40%
CMY	0.0824, 0.1490, 0.5998
CMYK	0.00, 0.07, 0.56, 0.08
HSL	52°, 76%, 66%
HSV	52°, 56%, 92%
XYZ	61.1437, 68.0774, 22.5003
YIQ	208.9730, 47.0470, -32.1610

Conversions

Conversions Part 2

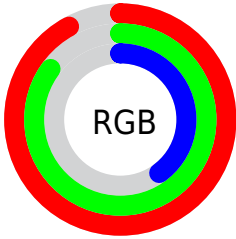
Format	Color
R _Y B	122, 234, 102
Decimal	15391078
CIE Lab	86.05, -8.22, 57.70
CIE LCh	86, 58.281, 98.112
Yxy	68.0774, 0.4030, 0.4487
Android (android.graphics.Color)	4293581158 (0xFFEAD966)
YUV	208.9730, -52.7377, 21.9487
Hunter-Lab	82.5090, -12.1125, 41.5879

Details

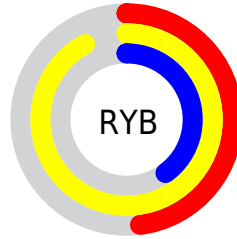
The Yxy color **68.0774, 0.4030, 0.4487** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **21.9713, 0.2079, 0.1696**, and the grayscale version is **64.0741, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.1803, 0.3712, 0.4256**, and **35.2842, 0.4204, 0.4730** is the 20% darker color. If you saturate the color by 10%, you get **66.1405, 0.4167, 0.4642**, and if you desaturate by 10%, it is **70.1801, 0.3876, 0.4300**.

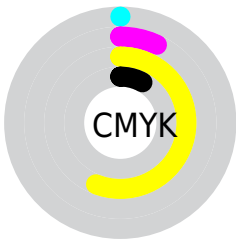
Distribution



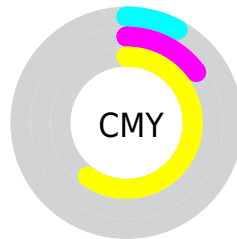
- Red (92%)
- Green (85%)
- Blue (40%)



- Red (48%)
- Yellow (92%)
- Blue (40%)



- Cyan (0%)
- Magenta (7%)
- Yellow (56%)
- Black (8%)



- Cyan (8%)
- Magenta (15%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.0774, 0.4030, 0.4487 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 68.0774, 0.4030, 0.4487 by changing the saturation by 10% instead.

 68.0774, 0.4030,
0.4487

 68.0774, 0.4030,
0.4487

453.7702, 0.3638,
0.3944

 49.9607, 0.4107,
0.4601


 116.4629, 0.3903,
0.4305

 35.3822, 0.4194,
0.4735


 147.5004, 0.3851,
0.4232

 23.9574, 0.4290,
0.4892


 183.6137, 0.3804,
0.4168

 15.3020, 0.4389,
0.5071

 225.1872, 0.3763,
0.4112

 9.0316, 0.4510,
0.5307

272.6051, 0.3727,
0.4063

 4.7618, 0.4526,
0.5474

326.2520, 0.3694,

 2.1082, 0.4415,

0.4019

0.5585

386.5123, 0.3665,
0.3979

0.6692, 0.3941,
0.6059

0.0000, 0.0000,
0.0000

68.0774, 0.4030,
0.4487

68.0774, 0.4030,
0.4487

66.1405, 0.4167,
0.4642

70.1801, 0.3876,
0.4300

64.3482, 0.4281,
0.4757


72.4491, 0.3712,
0.4091


62.6905, 0.4368,
0.4826

74.8969, 0.3546,
0.3871

61.1505, 0.4426,
0.4851

77.5319, 0.3381,
0.3647

 60.6132, 0.4444,
0.4854

 80.3619, 0.3223,
0.3426

 83.3943, 0.3075,
0.3215

 85.9174, 0.2999,
0.3120

 87.6876, 0.2999,
0.3151

 89.4873, 0.2999,
0.3181

Harmonies

Analogous

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



68.0774, 0.4465, 0.4065



68.0774, 0.4030, 0.4487



68.0774, 0.3382, 0.4596

Triad

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



68.0774, 0.4030, 0.4487



68.0774, 0.1905, 0.2789



68.0774, 0.3460, 0.2571

Complementary

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



68.0774, 0.4030, 0.4487



21.9713, 0.2079, 0.1696

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.



68.0774, 0.2744, 0.2281



68.0774, 0.4030, 0.4487



68.0774, 0.1921, 0.2353

Square

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



68.0774, 0.4030, 0.4487



68.0774, 0.2170, 0.3482



68.0774, 0.2206, 0.2196



68.0774, 0.4145, 0.3013

Rectangle

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



68.0774, 0.4030, 0.4487



68.0774, 0.2919, 0.4394



68.0774, 0.2206, 0.2196



68.0774, 0.3212, 0.2454

Sweetspot

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



68.0806, 0.4030, 0.4487



94.0059, 0.3392, 0.3662



28.3518, 0.4605, 0.3105



19.9794, 0.3425, 0.3707



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.



68.0806, 0.4030, 0.4487



79.9553, 0.4191, 0.4668



70.1945, 0.3571, 0.4822



17.2767, 0.3271, 0.3493



34.1938, 0.4439, 0.4857



2.7774, 0.4400, 0.4888

Inverse Universe

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



21.9713, 0.2079, 0.1696



18.8821, 0.1859, 0.1328



21.9779, 0.2397, 0.1633



14.8615, 0.2980, 0.3078



3.9636, 0.1528, 0.0699



0.4118, 0.1581, 0.0892

Previews

White Background



This preview shows how the Yxy color 68.0774, 0.4030, 0.4487 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 68.0774, 0.4030, 0.4487 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 68.0774, 0.4030, 0.4487

Background



This preview shows how black text looks on a background with the Yxy color 68.0774, 0.4030, 0.4487.

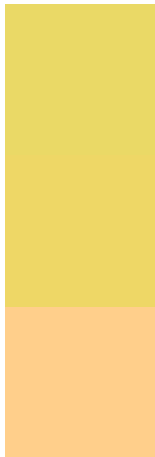


This preview shows how white text looks on a background with the Yxy color 68.0774, 0.4030, 0.4487.

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

68.0774, 0.4030, 0.4487

Protanopia

67.7373, 0.4074, 0.4454

Deuteranopia

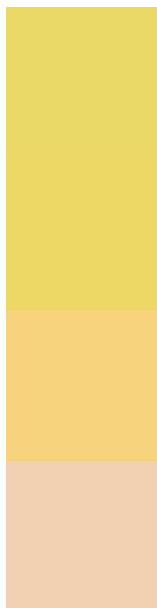
67.7497, 0.4016, 0.3988



Tritanopia

67.7655, 0.3327, 0.3124

Trichromacy



Original Color

68.0774, 0.4030, 0.4487

Protanomaly

68.0756, 0.4060, 0.4467

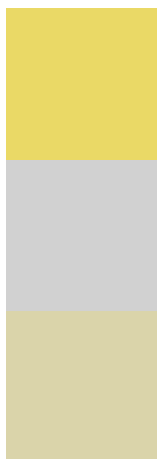
Deuteranomaly

67.8690, 0.4021, 0.4172

Tritanomaly

67.4760, 0.3611, 0.3636

Monochromacy



Original Color

68.0774, 0.4030, 0.4487

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

64.8947, 0.3471, 0.3773

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.0774, 0.4030, 0.4487 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(234, 217, 102)` looks like.

```
.text, #text, p{  
    color:rgb(234, 217, 102)  
}
```

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(234, 217, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 217, 102) }
```

Border

The CSS property to change the border of an element to Yxy 68.0774, 0.4030, 0.4487 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(234, 217, 102) }
```

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

```
.border{ border-color:rgb(234, 217, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 217, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 217, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 217, 102);  
box-shadow:4px 4px 4px 4px rgb(234, 217,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 68.0774, 0.4030, 0.4487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 217, 102) }
```

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

```
.background{ background-color: rgb(234,  
217, 102) }
```

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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