

Converting Colors

$Yxy(68.0122, 0.4081, 0.4867)$

Have a look what the booklet for
Yxy(68.0122, 0.4081, 0.4867)
contains.

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Color

Yxy(68.1199, 0.4082, 0.4868)

Conversions

Conversions Part 1

Format	Color
Hex	DEDE3E
RGB	222, 222, 62
RGB Percent	87%, 87%, 24%
CMY	0.1293, 0.1294, 0.7569
CMYK	0.00, 0.00, 0.72, 0.13
HSL	60°, 71%, 56%
HSV	60°, 72%, 87%
XYZ	57.1211, 68.1199, 14.6931
YIQ	203.7600, 51.3600, -49.7600

Conversions

Conversions Part 2

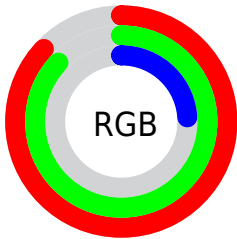
Format	Color
R _Y B	62, 222, 62
Decimal	14605886
CIE Lab	86.07, -18.00, 73.39
CIE LCh	86, 75.566, 103.777
Yxy	68.1199, 0.4082, 0.4868
Android (android.graphics.Color)	4292795966 (0xFFDEDE3E)
YUV	203.7600, -69.8877, 15.9965
Hunter-Lab	82.5348, -20.8987, 47.2194

Details

The Yxy color **68.1199, 0.4082, 0.4868** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **9.7467, 0.1746, 0.1007**, and the grayscale version is **60.6530, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1361, 0.3898, 0.4565**, and **35.4240, 0.4152, 0.5085** is the 20% darker color. If you saturate the color by 10%, you get **67.9249, 0.4144, 0.4970**, and if you desaturate by 10%, it is **68.4207, 0.3994, 0.4723**.

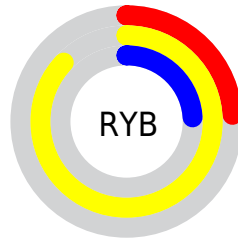
Distribution



Red (87%)

Green (87%)

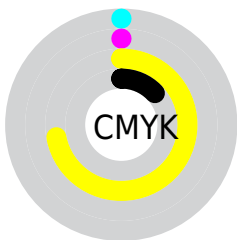
Blue (24%)



Red (24%)

Yellow (87%)

Blue (24%)

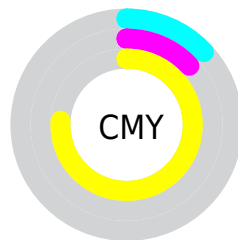


Cyan (0%)

Magenta (0%)

Yellow (72%)

Black (13%)



Cyan (13%)


Magenta (13%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.1199, 0.4082, 0.4868 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 68.1199, 0.4082, 0.4868 by changing the saturation by 10% instead.


 68.1199, 0.4082,
0.4868


 68.1199, 0.4082,
0.4868


453.9207, 0.3703,
0.4161

 49.9953, 0.4143,
0.5010


 116.5237, 0.3970,
0.4636


 35.4097, 0.4202,
0.5170


 147.5716, 0.3920,
0.4541

 23.9786, 0.4251,
0.5349


 183.6961, 0.3874,
0.4458

 15.3178, 0.4288,
0.5559

 225.2815, 0.3833,
0.4384

 9.0427, 0.4252,
0.5748

 272.7123, 0.3796,
0.4319

 4.7690, 0.4099,
0.5901

326.3728, 0.3762,

 2.1124, 0.3848,

0.4261

0.6152

386.6475, 0.3731,
0.4208

0.6716, 0.2286,
0.7714

0.0000, 0.0000,
0.0000

68.1199, 0.4082,
0.4868

68.1199, 0.4082,
0.4868

67.9249, 0.4144,
0.4970

68.4207, 0.3994,
0.4723

67.8133, 0.4179,
0.5029

68.8287, 0.3883,
0.4539

67.7692, 0.4194,
0.5052

69.3563, 0.3753,
0.4324

70.0121, 0.3610,
0.4087

70.8037, 0.3459,
0.3839

71.7381, 0.3307,
0.3587

72.8220, 0.3158,
0.3340

74.0613, 0.3014,
0.3104

75.0152, 0.2920,
0.2948

Harmonies

Analogous

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



68.1199, 0.4726, 0.4320



68.1199, 0.4082, 0.4868



68.1199, 0.3239, 0.4980

Triad

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



68.1199, 0.4082, 0.4868



68.1199, 0.1591, 0.2491



68.1199, 0.3726, 0.2480

Complementary

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



68.1199, 0.4082, 0.4868



9.7467, 0.1746, 0.1007

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.



68.1199, 0.2785, 0.2092



68.1199, 0.4082, 0.4868



68.1199, 0.1678, 0.2046

Square

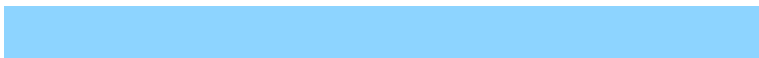
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.1199, 0.4082, 0.4868



68.1199, 0.1828, 0.3325



68.1199, 0.2073, 0.1934



68.1199, 0.4579, 0.3032

Rectangle

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



68.1199, 0.4082, 0.4868



68.1199, 0.2670, 0.4641



68.1199, 0.2073, 0.1934



68.1199, 0.3402, 0.2328

Sweetspot

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



68.1231, 0.4082, 0.4868



96.8922, 0.3460, 0.3841



19.3559, 0.5549, 0.3274



20.6716, 0.3502, 0.3910



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.



68.1231, 0.4082, 0.4868



92.8794, 0.4163, 0.5002



58.5954, 0.3478, 0.5277



16.0291, 0.3267, 0.3522



40.2424, 0.4194, 0.5052



2.7895, 0.4193, 0.5052

Inverse Universe

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



9.7467, 0.1746, 0.1007



8.8358, 0.1570, 0.0715



14.2381, 0.2321, 0.1290



13.2437, 0.2980, 0.3048



3.1333, 0.1500, 0.0600



0.2173, 0.1500, 0.0601

Previews

White Background



This preview shows how the Yxy color 68.1199, 0.4082, 0.4868 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 68.1199, 0.4082, 0.4868 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 68.1199, 0.4082, 0.4868

Background



This preview shows how black text looks on a background with the Yxy color 68.1199, 0.4082, 0.4868.



This preview shows how white text looks on a background with the Yxy color 68.1199, 0.4082, 0.4868.

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

68.1199, 0.4082, 0.4868

Protanopia

68.1388, 0.4282, 0.4733

Deuteranopia

67.5791, 0.4058, 0.4046



Tritanopia

67.7862, 0.3233, 0.3121

Trichromacy



Original Color

68.1199, 0.4082, 0.4868

Protanomaly

67.9722, 0.4209, 0.4780

Deuteranomaly

67.2032, 0.4104, 0.4366

Tritanomaly

66.7562, 0.3619, 0.3823

Monochromacy



Original Color

68.1199, 0.4082, 0.4868

Achromatopsia

60.3827, 0.3127, 0.3290

Achromatomaly

62.7044, 0.3547, 0.3984

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.1199, 0.4082, 0.4868 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(222, 222, 62)` looks like.

```
.text, #text, p{  
    color:rgb(222, 222, 62)  
}
```

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(222, 222, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 222, 62) }
```

Border

The CSS property to change the border of an element to Yxy 68.1199, 0.4082, 0.4868 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(222, 222, 62) }
```

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

```
.border{ border-color:rgb(222, 222, 62) }
```

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

Here you see how a box with a 4 pixel rgb(222, 222, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 222, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 222, 62);  
box-shadow:4px 4px 4px 4px rgb(222, 222,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 68.1199, 0.4082, 0.4868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 222, 62) }
```

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

```
.background{ background-color: rgb(222,  
222, 62) }
```

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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