

Converting Colors

$Y_{xy}(48.1233, 0.3788, 0.4209)$

Have a look what the booklet for
Yxy(48.1233, 0.3788, 0.4209)
contains.

Yxy(48.0685, 0.3792, 0.4204)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(48.0685, 0.3792, 0.4204)

Conversions

Conversions Part 1

Format	Color
Hex	C4BA72
RGB	196, 186, 114
RGB Percent	77%, 73%, 45%
CMY	0.2314, 0.2705, 0.5529
CMYK	0.00, 0.05, 0.42, 0.23
HSL	53°, 41%, 61%
HSV	53°, 42%, 77%
XYZ	43.3577, 48.0685, 22.9137
YIQ	180.7820, 29.0720, -20.2720

Conversions

Conversions Part 2

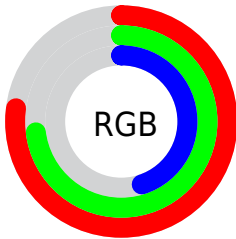
Format	Color
RYB	125, 196, 114
Decimal	12892786
CIELab	74.87, -6.77, 37.71
CIELCh	75, 38.311, 100.185
Yxy	48.0685, 0.3792, 0.4204
Android (android.graphics.Color)	4291082866 (0xFFC4BA72)
YUV	180.7820, -32.9235, 13.3462
Hunter-Lab	69.3315, -9.7018, 28.9369

Details

The Yxy color **48.0685, 0.3792, 0.4204** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **21.9718, 0.2381, 0.2170**, and the grayscale version is **46.2540, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3651, 0.3682, 0.4041**, and **22.8079, 0.3958, 0.4447** is the 20% darker color. If you saturate the color by 10%, you get **46.6751, 0.3948, 0.4402**, and if you desaturate by 10%, it is **49.5787, 0.3629, 0.3989**.

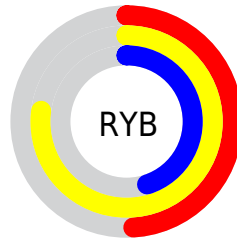
Distribution



Red (77%)

Green (73%)

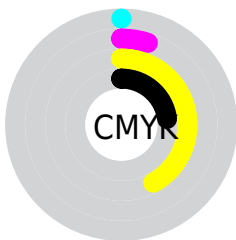
Blue (45%)



Red (49%)

Yellow (77%)

Blue (45%)

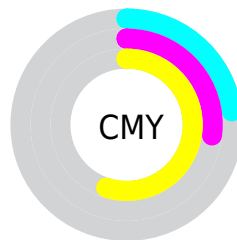


Cyan (0%)

Magenta (5%)

Yellow (42%)

Black (23%)



Cyan (23%)


Magenta (27%)

Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.0685, 0.3792, 0.4204 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 48.0685, 0.3792, 0.4204 by changing the saturation by 10% instead.


 48.0685, 0.3792,
0.4204


 48.0685, 0.3792,
0.4204


379.0636, 0.3474,
0.3752


 33.8811, 0.3864,
0.4312


 87.3064, 0.3681,
0.4042


 22.8023, 0.3952,
0.4447


 113.1257, 0.3638,
0.3981

 14.4476, 0.4059,
0.4619

 143.5911, 0.3601,
0.3928

 8.4326, 0.4186,
0.4838

 179.0870, 0.3568,
0.3883

 4.3730, 0.4384,
0.5188

219.9978, 0.3540,
0.3844

 1.8843, 0.4483,
0.5517

266.7079, 0.3515,

 0.5389, 0.3916,

0.3809

0.6084

319.6017, 0.3493,
0.3779

0.0000, 0.0000,
0.0000

48.0685, 0.3792,
0.4204

48.0685, 0.3792,
0.4204

46.6751, 0.3948,
0.4402

49.5787, 0.3629,
0.3989

45.3856, 0.4091,
0.4574

51.2048, 0.3465,
0.3767

44.1953, 0.4215,
0.4710


52.9542, 0.3306,
0.3545


43.0961, 0.4313,
0.4804

54.8318, 0.3154,
0.3328


42.0787, 0.4384,
0.4854


56.8423, 0.3012,
0.3123

 41.2935, 0.4426,
0.4868

 58.9900, 0.2880,
0.2930

 61.2790, 0.2760,
0.2751

 62.6541, 0.2740,
0.2739

 63.8038, 0.2742,
0.2767

Harmonies

Analogous

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



48.0685, 0.4118, 0.3929



48.0685, 0.3792, 0.4204



48.0685, 0.3302, 0.4225

Triad

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



48.0685, 0.3792, 0.4204



48.0685, 0.2187, 0.2905



48.0685, 0.3419, 0.2762

Complementary

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



48.0685, 0.3792, 0.4204



21.9718, 0.2381, 0.2170

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.



48.0685, 0.2882, 0.2524



48.0685, 0.3792, 0.4204



48.0685, 0.2211, 0.2574

Square

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



48.0685, 0.3792, 0.4204



48.0685, 0.2388, 0.3404



48.0685, 0.2453, 0.2451



48.0685, 0.3906, 0.3119

Rectangle

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



48.0685, 0.3792, 0.4204



48.0685, 0.2953, 0.4054



48.0685, 0.2453, 0.2451



48.0685, 0.3236, 0.2667

Sweetspot

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



48.0707, 0.3792, 0.4204



95.5003, 0.3328, 0.3575



25.2483, 0.4046, 0.3146



20.2862, 0.3363, 0.3625



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.



48.0707, 0.3792, 0.4204



84.8273, 0.3932, 0.4383



48.7851, 0.3480, 0.4412



11.5425, 0.3268, 0.3490



26.6232, 0.4422, 0.4871



1.2103, 0.4364, 0.4917

Inverse Universe

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



21.9718, 0.2381, 0.2170



31.4176, 0.2200, 0.1883



21.9557, 0.2632, 0.2102



9.9410, 0.2983, 0.3081



3.0451, 0.1528, 0.0700



0.1982, 0.1610, 0.0996

Previews

White Background



This preview shows how the Yxy color 48.0685, 0.3792, 0.4204 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 48.0685, 0.3792, 0.4204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

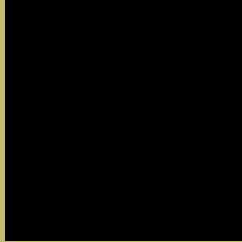
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.0685, 0.3792, 0.4204

Background



This preview shows how black text looks on a background with the Yxy color 48.0685, 0.3792, 0.4204.



This preview shows how white text looks on a background with the Yxy color 48.0685, 0.3792, 0.4204.

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

48.0685, 0.3792, 0.4204

Protanopia

47.8907, 0.3856, 0.4178

Deuteranopia

47.8412, 0.4073, 0.3992



Tritanopia

48.0432, 0.3249, 0.3120

Trichromacy



Original Color

48.0685, 0.3792, 0.4204

Protanomaly

48.0323, 0.3833, 0.4195

Deuteranomaly

48.0265, 0.3974, 0.4073

Tritanomaly

47.7044, 0.3455, 0.3505

Monochromacy



Original Color

48.0685, 0.3792, 0.4204

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.7404, 0.3363, 0.3633

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0685, 0.3792, 0.4204 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(196, 186, 114)` looks like.

```
.text, #text, p{  
    color:rgb(196, 186, 114)  
}
```

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(196, 186, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 186, 114) }
```

Border

The CSS property to change the border of an element to Yxy 48.0685, 0.3792, 0.4204 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(196, 186, 114) }
```

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

```
.border{ border-color:rgb(196, 186, 114) }
```

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

Here you see how a box with a 4 pixel rgb(196, 186, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 186, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 186, 114);  
box-shadow:4px 4px 4px 4px rgb(196, 186,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0685, 0.3792, 0.4204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 186, 114) }
```

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

```
.background{ background-color: rgb(196,  
186, 114) }
```

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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