

Converting Colors

$Y_{xy}(44.1775, 0.3774, 0.4104)$

Have a look what the booklet for
Yxy(44.1775, 0.3774, 0.4104)
contains.

Yxy(44.1781, 0.3768, 0.4104)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(44.1781, 0.3768, 0.4104)

Conversions

Conversions Part 1

Format	Color
Hex	BFB274
RGB	191, 178, 116
RGB Percent	75%, 70%, 45%
CMY	0.2509, 0.3020, 0.5452
CMYK	0.00, 0.07, 0.39, 0.25
HSL	50°, 37%, 60%
HSV	50°, 39%, 75%
XYZ	40.5612, 44.1781, 22.9072
YIQ	174.8190, 27.6500, -16.5260

Conversions

Conversions Part 2

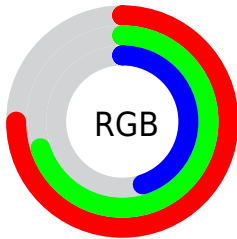
Format	Color
RYB	132, 191, 116
Decimal	12563060
CIELab	72.35, -4.37, 33.37
CIELCh	72, 33.657, 97.459
Yxy	44.1781, 0.3768, 0.4104
Android (android.graphics.Color)	4290753140 (0xFFBFB274)
YUV	174.8190, -28.9978, 14.1907
Hunter-Lab	66.4666, -7.3871, 26.0928

Details

The Yxy color **44.1781, 0.3768, 0.4104** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **23.1755, 0.2443, 0.2315**, and the grayscale version is **42.9147, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6667, 0.3650, 0.3959**, and **20.5612, 0.3923, 0.4330** is the 20% darker color. If you saturate the color by 10%, you get **42.4775, 0.3938, 0.4299**, and if you desaturate by 10%, it is **46.0061, 0.3596, 0.3897**.

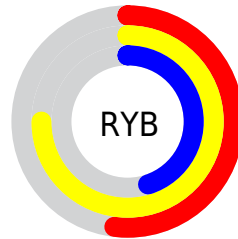
Distribution



Red (75%)

Green (70%)

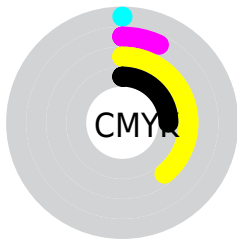
Blue (45%)



Red (52%)

Yellow (75%)

Blue (45%)

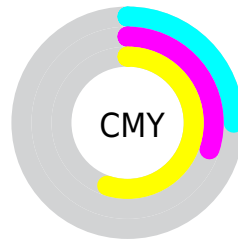


Cyan (0%)

Magenta (7%)

Yellow (39%)

Black (25%)



Cyan (25%)


Magenta (30%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.1781, 0.3768, 0.4104 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 44.1781, 0.3768, 0.4104 by changing the saturation by 10% instead.


 44.1781, 0.3768,
0.4104


 44.1781, 0.3768,
0.4104

363.4346, 0.3453,
0.3696

 30.8105, 0.3842,
0.4204


 81.4857, 0.3656,
0.3957

 20.4546, 0.3935,
0.4329


 106.1945, 0.3613,
0.3901

 12.7259, 0.4050,
0.4491


 135.4525, 0.3577,
0.3854

 7.2401, 0.4194,
0.4702

169.6441, 0.3545,
0.3813

 3.6127, 0.4437,
0.5058

209.1538, 0.3518,
0.3778

 1.4594, 0.4601,
0.5399

254.3658, 0.3494,

 0.2599, 0.3507,

0.3747

0.6493

305.6646, 0.3472,
0.3720

0.0000, 0.0000,
0.0000

44.1781, 0.3768,
0.4104

44.1781, 0.3768,
0.4104

42.4775, 0.3938,
0.4299

46.0061, 0.3596,
0.3897

40.8922, 0.4099,
0.4471

47.9606, 0.3428,
0.3686

39.4178, 0.4244,
0.4611


50.0488, 0.3267,
0.3477


38.0470, 0.4367,
0.4710

52.2753, 0.3117,
0.3276

36.7712, 0.4463,
0.4764

54.6446, 0.2977,
0.3086

 35.5750, 0.4533,
0.4779

 57.1607, 0.2850,
0.2908

 35.4907, 0.4538,
0.4779

 59.8277, 0.2735,
0.2744

 61.7284, 0.2707,
0.2728

 63.3258, 0.2710,
0.2766

Harmonies

Analogous

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



44.1781, 0.4041, 0.3847



44.1781, 0.3768, 0.4104



44.1781, 0.3333, 0.4139

Triad

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



44.1781, 0.3768, 0.4104



44.1781, 0.2279, 0.2982



44.1781, 0.3348, 0.2784

Complementary

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



44.1781, 0.3768, 0.4104



23.1755, 0.2443, 0.2315

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.



44.1781, 0.2866, 0.2577



44.1781, 0.3768, 0.4104



44.1781, 0.2281, 0.2661

Square

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



44.1781, 0.3768, 0.4104



44.1781, 0.2483, 0.3440



44.1781, 0.2486, 0.2528



44.1781, 0.3797, 0.3105

Rectangle

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



44.1781, 0.3768, 0.4104



44.1781, 0.3016, 0.4003



44.1781, 0.2486, 0.2528



44.1781, 0.3183, 0.2700

Sweetspot

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



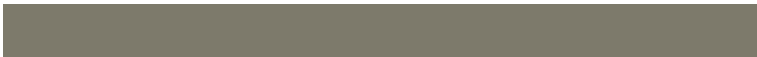
44.1801, 0.3768, 0.4104



88.5061, 0.3313, 0.3537



25.1707, 0.3913, 0.3103



19.3256, 0.3334, 0.3565



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



44.1801, 0.3768, 0.4104



76.5162, 0.3912, 0.4270



46.7736, 0.3494, 0.4327



10.8312, 0.3268, 0.3478



23.4235, 0.4532, 0.4783



0.9929, 0.4438, 0.4858

Inverse Universe

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



23.1755, 0.2443, 0.2315



33.7885, 0.2277, 0.2061



21.8030, 0.2633, 0.2173



9.4858, 0.2984, 0.3095



3.2758, 0.1547, 0.0770



0.2121, 0.1660, 0.1174

Previews

White Background



This preview shows how the Yxy color 44.1781, 0.3768, 0.4104 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 44.1781, 0.3768, 0.4104 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

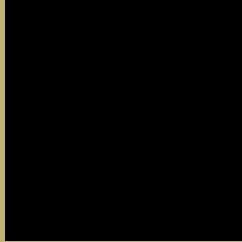
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.1781, 0.3768, 0.4104

Background



This preview shows how black text looks on a background with the Yxy color 44.1781, 0.3768, 0.4104.



This preview shows how white text looks on a background with the Yxy color 44.1781, 0.3768, 0.4104.

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

44.1781, 0.3768, 0.4104

Protanopia

44.0427, 0.3792, 0.4086

Deuteranopia

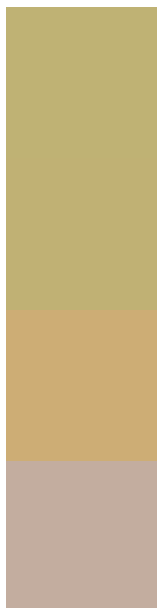
44.2036, 0.4005, 0.3926



Tritanopia

44.1741, 0.3271, 0.3127

Trichromacy



Original Color

44.1781, 0.3768, 0.4104

Protanomaly

43.9117, 0.3782, 0.4089

Deuteranomaly

44.1506, 0.3920, 0.3994

Tritanomaly

43.9924, 0.3450, 0.3472

Monochromacy



Original Color

44.1781, 0.3768, 0.4104

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

43.2075, 0.3357, 0.3589

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.1781, 0.3768, 0.4104 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(191, 178, 116)` looks like.

```
.text, #text, p{  
    color:rgb(191, 178, 116)  
}
```

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(191, 178, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 178, 116) }
```

Border

The CSS property to change the border of an element to Yxy 44.1781, 0.3768, 0.4104 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(191, 178, 116) }
```

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

```
.border{ border-color:rgb(191, 178, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 178, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 178, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 178, 116);  
box-shadow:4px 4px 4px 4px rgb(191, 178,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 44.1781, 0.3768, 0.4104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 178, 116) }
```

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

```
.background{ background-color: rgb(191,  
178, 116) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor