

Converting Colors

$Y_{xy}(47.7722, 0.3709, 0.4197)$

Have a look what the booklet for
Yxy(47.7722, 0.3709, 0.4197)
contains.

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Color

Yxy(47.7722, 0.3709, 0.4197)

Conversions

Conversions Part 1

Format	Color
Hex	BEBB75
RGB	190, 187, 117
RGB Percent	75%, 73%, 46%
CMY	0.2549, 0.2667, 0.5410
CMYK	0.00, 0.02, 0.38, 0.25
HSL	58°, 36%, 60%
HSV	58°, 38%, 75%
XYZ	42.2176, 47.7722, 23.8349
YIQ	179.9170, 24.2580, -21.1340

Conversions

Conversions Part 2

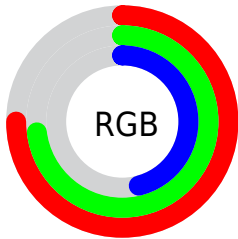
Format	Color
RYB	120, 190, 117
Decimal	12499829
CIELab	74.68, -9.37, 35.81
CIELCh	75, 37.017, 104.666
Yxy	47.7722, 0.3709, 0.4197
Android (android.graphics.Color)	4290689909 (0xFFBEBB75)
YUV	179.9170, -31.0181, 8.8428
Hunter-Lab	69.1174, -11.9261, 27.9363

Details

The Yxy color **47.7722, 0.3709, 0.4197** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **20.9412, 0.2437, 0.2185**, and the grayscale version is **45.7571, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7776, 0.3610, 0.4034**, and **22.6063, 0.3846, 0.4452** is the 20% darker color. If you saturate the color by 10%, you get **47.0418, 0.3852, 0.4414**, and if you desaturate by 10%, it is **48.5995, 0.3558, 0.3964**.

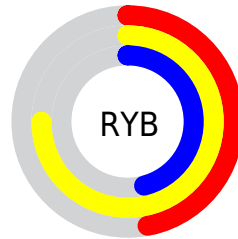
Distribution



Red (75%)

Green (73%)

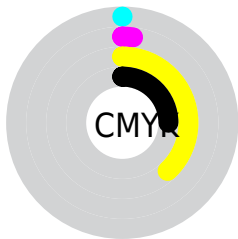
Blue (46%)



Red (47%)

Yellow (75%)

Blue (46%)

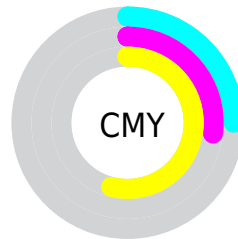


Cyan (0%)

Magenta (2%)

Yellow (38%)

Black (25%)



Cyan (25%)

Magenta (27%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.7722, 0.3709, 0.4197 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 47.7722, 0.3709, 0.4197 by changing the saturation by 10% instead.

■ 47.7722, 0.3709,
0.4197

■ 47.7722, 0.3709,
0.4197

377.8885, 0.3431,
0.3743

■ 33.6465, 0.3772,
0.4308

■ 86.8651, 0.3612,
0.4034

■ 22.6222, 0.3848,
0.4447

■ 112.6012, 0.3575,
0.3972

■ 14.3148, 0.3941,
0.4626

■ 142.9761, 0.3542,
0.3919

■ 8.3399, 0.4051,
0.4861

178.3744, 0.3514,
0.3874

■ 4.3132, 0.4208,
0.5221

219.1804, 0.3489,
0.3835

■ 1.8503, 0.4326,
0.5674

265.7785, 0.3468,

■ 0.5182, 0.3373,

0.3801

0.6627

318.5530, 0.3448,
0.3770

0.0000, 0.0000,
0.0000

47.7722, 0.3709,
0.4197

47.7722, 0.3709,
0.4197

47.0418, 0.3852,
0.4414

48.5995, 0.3558,
0.3964

46.3961, 0.3980,
0.4606

49.5222, 0.3403,
0.3724

45.8314, 0.4088,
0.4763


50.5471, 0.3251,
0.3485


45.3405, 0.4171,
0.4880


51.6787, 0.3104,
0.3254


44.9155, 0.4228,
0.4954


52.9211, 0.2965,
0.3034

 44.5431, 0.4262,
0.4990

 54.2781, 0.2836,
0.2828

 44.4853, 0.4267,
0.4994

 55.7535, 0.2717,
0.2637

 56.4138, 0.2689,
0.2597

 56.7600, 0.2689,
0.2606

Harmonies

Analogous

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



47.7722, 0.4056, 0.3962



47.7722, 0.3709, 0.4197



47.7722, 0.3222, 0.4168

Triad

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



47.7722, 0.3709, 0.4197



47.7722, 0.2204, 0.2858



47.7722, 0.3488, 0.2823

Complementary

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



47.7722, 0.3709, 0.4197



20.9412, 0.2437, 0.2185

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.



47.7722, 0.2965, 0.2571



47.7722, 0.3709, 0.4197



47.7722, 0.2259, 0.2565

Square

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



47.7722, 0.3709, 0.4197



47.7722, 0.2368, 0.3323



47.7722, 0.2525, 0.2474



47.7722, 0.3936, 0.3184

Rectangle

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



47.7722, 0.3709, 0.4197



47.7722, 0.2887, 0.3973



47.7722, 0.2525, 0.2474



47.7722, 0.3313, 0.2724

Sweetspot

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



47.7744, 0.3709, 0.4197



90.8743, 0.3308, 0.3575



25.0498, 0.4016, 0.3242



19.9010, 0.3328, 0.3607



97.7402, 0.3127, 0.3290



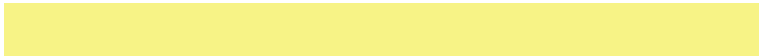
20.4902, 0.3127, 0.3290

Same Dimension

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



47.7744, 0.3709, 0.4197



85.4573, 0.3829, 0.4380



45.2959, 0.3401, 0.4332



11.0516, 0.3265, 0.3508



29.6100, 0.4266, 0.4995



1.1808, 0.4247, 0.5010

Inverse Universe

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



20.9412, 0.2437, 0.2185



30.0154, 0.2262, 0.1901



22.9192, 0.2745, 0.2230



9.2865, 0.2984, 0.3063



2.6129, 0.1509, 0.0631



0.1241, 0.1541, 0.0748

Previews

White Background



This preview shows how the Yxy color 47.7722, 0.3709, 0.4197 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 47.7722, 0.3709, 0.4197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

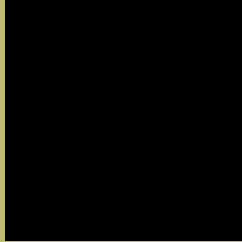
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.7722, 0.3709, 0.4197

Background



This preview shows how black text looks on a background with the Yxy color 47.7722, 0.3709, 0.4197.



This preview shows how white text looks on a background with the Yxy color 47.7722, 0.3709, 0.4197.

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

47.7722, 0.3709, 0.4197

Protanopia

47.8213, 0.3824, 0.4145

Deuteranopia

47.7789, 0.4030, 0.3951



Tritanopia

47.7887, 0.3196, 0.3118

Trichromacy



Original Color

47.7722, 0.3709, 0.4197

Protanomaly

47.6946, 0.3782, 0.4169

Deuteranomaly

47.6761, 0.3914, 0.4036

Tritanomaly

47.5001, 0.3390, 0.3495

Monochromacy



Original Color

47.7722, 0.3709, 0.4197

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

46.4916, 0.3345, 0.3635

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7722, 0.3709, 0.4197 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(190, 187, 117)` looks like.

```
.text, #text, p{  
    color:rgb(190, 187, 117)  
}
```

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(190, 187, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 187, 117) }
```

Border

The CSS property to change the border of an element to Yxy 47.7722, 0.3709, 0.4197 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(190, 187, 117) }
```

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

```
.border{ border-color:rgb(190, 187, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 187, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 187, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 187, 117);  
box-shadow:4px 4px 4px 4px rgb(190, 187,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7722, 0.3709, 0.4197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 187, 117) }
```

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

```
.background{ background-color: rgb(190,  
187, 117) }
```

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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