

Converting Colors

$Y_{xy}(49.8224, 0.3497, 0.3720)$

Have a look what the booklet for
Yxy(49.8224, 0.3497, 0.3720)
contains.

Yxy(49.8463, 0.3495, 0.3721)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.8463, 0.3495, 0.3721)

Conversions

Conversions Part 1

Format	Color
Hex	C6BB99
RGB	198, 187, 153
RGB Percent	78%, 73%, 60%
CMY	0.2233, 0.2667, 0.4000
CMYK	0.00, 0.06, 0.23, 0.22
HSL	45°, 28%, 69%
HSV	45°, 23%, 78%
XYZ	46.8188, 49.8463, 37.2943
YIQ	186.4130, 17.4700, -8.2420

Conversions

Conversions Part 2

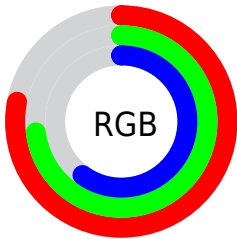
Format	Color
RYB	168, 198, 153
Decimal	13024153
CIELab	75.97, -1.56, 18.64
CIElCh	76, 18.709, 94.796
Yxy	49.8463, 0.3495, 0.3721
Android (android.graphics.Color)	4291214233 (0xFFC6BB99)
YUV	186.4130, -16.4726, 10.1618
Hunter-Lab	70.6019, -5.1832, 18.1024

Details

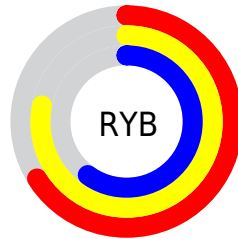
The Yxy color **49.8463, 0.3495, 0.3721** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.4287, 0.2758, 0.2818**, and the grayscale version is **49.4381, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8662, 0.3432, 0.3648**, and **23.9388, 0.3595, 0.3838** is the 20% darker color. If you saturate the color by 10%, you get **47.2188, 0.3675, 0.3916**, and if you desaturate by 10%, it is **52.6568, 0.3325, 0.3527**.

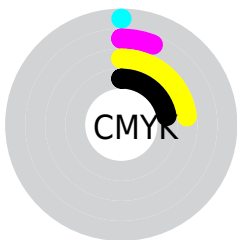
Distribution



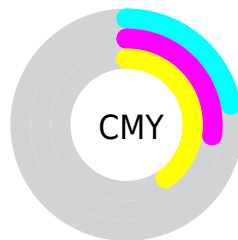
- Red (78%)
- Green (73%)
- Blue (60%)



- Red (66%)
- Yellow (78%)
- Blue (60%)



- Cyan (0%)
- Magenta (6%)
- Yellow (23%)
- Black (22%)





- Cyan (22%)
- Magenta (27%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.8463, 0.3495, 0.3721 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 49.8463, 0.3495, 0.3721 by changing the saturation by 10% instead.

 49.8463, 0.3495,
0.3721


 49.8463, 0.3495,
0.3721


386.0646, 0.3314,
0.3508

 35.2913, 0.3539,
0.3773


 89.9471, 0.3430,
0.3644

 23.8873, 0.3595,
0.3840


 116.2617, 0.3405,
0.3615

 15.2501, 0.3667,
0.3927


147.2649, 0.3385,
0.3590

 8.9951, 0.3766,
0.4046

183.3412, 0.3367,
0.3569

 4.7380, 0.3905,
0.4217

224.8749, 0.3351,
0.3551

 2.0944, 0.4146,
0.4514

272.2504, 0.3337,

 0.6614, 0.4717,

0.3535

0.5283

325.8522, 0.3325,
0.3520

0.0000, 0.0000,
0.0000

49.8463, 0.3495,
0.3721

49.8463, 0.3495,
0.3721

47.2188, 0.3675,
0.3916

52.6568, 0.3325,
0.3527

44.7616, 0.3860,
0.4106

55.6492, 0.3168,
0.3340

42.4703, 0.4046,
0.4282

58.8311, 0.3024,
0.3162

40.3379, 0.4226,
0.4433

62.2076, 0.2893,
0.2996

38.3565, 0.4390,
0.4550

65.7836, 0.2776,
0.2842

■ 36.5173, 0.4530,
0.4623

■ 68.4310, 0.2763,
0.2867

■ 34.8095, 0.4642,
0.4648

■ 70.9626, 0.2767,
0.2921

■ 33.6387, 0.4709,
0.4643

■ 73.5687, 0.2771,
0.2975

■ 76.2498, 0.2775,
0.3029

Harmonies

Analogous

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



49.8463, 0.3623, 0.3591



49.8463, 0.3495, 0.3721



49.8463, 0.3270, 0.3734

Triad

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



49.8463, 0.3495, 0.3721



49.8463, 0.2665, 0.3156



49.8463, 0.3227, 0.2995

Complementary

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



49.8463, 0.3495, 0.3721



37.4287, 0.2758, 0.2818

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.



49.8463, 0.2970, 0.2885



49.8463, 0.3495, 0.3721



49.8463, 0.2653, 0.2967

Square

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



49.8463, 0.3495, 0.3721



49.8463, 0.2794, 0.3397



49.8463, 0.2762, 0.2872



49.8463, 0.3466, 0.3177

Rectangle

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



49.8463, 0.3495, 0.3721



49.8463, 0.3099, 0.3668



49.8463, 0.2762, 0.2872



49.8463, 0.3140, 0.2949

Sweetspot

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



49.8485, 0.3495, 0.3721



96.1383, 0.3235, 0.3421



37.4882, 0.3474, 0.3145



20.5080, 0.3245, 0.3432



0.0000, 0.0000, 0.0000



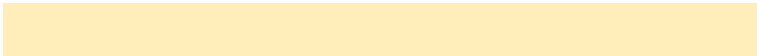
21.4041, 0.3127, 0.3290

Same Dimension

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



49.8485, 0.3495, 0.3721



86.0146, 0.3578, 0.3812



53.2490, 0.3371, 0.3869



11.9587, 0.3271, 0.3463



22.0042, 0.4700, 0.4650



1.1505, 0.4573, 0.4751

Inverse Universe

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



37.4287, 0.2758, 0.2818



60.4168, 0.2674, 0.2706



34.7864, 0.2844, 0.2677



10.7035, 0.2983, 0.3111



4.1743, 0.1582, 0.0893



0.3159, 0.1698, 0.1311

Previews

White Background



This preview shows how the Yxy color 49.8463, 0.3495, 0.3721 looks on a white background.

Color Contrast Check

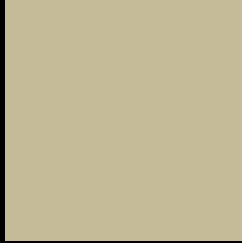
Large Text (above 18pt) WCAG AA × Fail

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 49.8463, 0.3495, 0.3721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

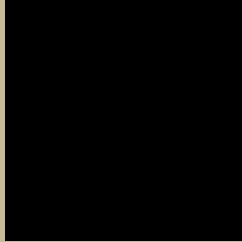
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.8463, 0.3495, 0.3721

Background



This preview shows how black text looks on a background with the Yxy color 49.8463, 0.3495, 0.3721.

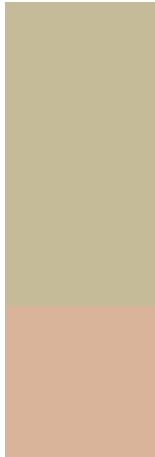


This preview shows how white text looks on a background with the Yxy color 49.8463, 0.3495, 0.3721.

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

49.8463, 0.3495, 0.3721

Protanopia

49.8463, 0.3495, 0.3721

Deuteranopia

49.7273, 0.3679, 0.3604



Tritanopia

49.6844, 0.3203, 0.3121

Trichromacy



Original Color

49.8463, 0.3495, 0.3721

Protanomaly

49.8463, 0.3495, 0.3721

Deuteranomaly

49.9017, 0.3606, 0.3646

Tritanomaly

49.5798, 0.3306, 0.3328

Monochromacy



Original Color

49.8463, 0.3495, 0.3721

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.1210, 0.3255, 0.3444

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8463, 0.3495, 0.3721 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(198, 187, 153)` looks like.

```
.text, #text, p{  
    color:rgb(198, 187, 153)  
}
```

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(198, 187, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 187, 153) }
```

Border

The CSS property to change the border of an element to Yxy 49.8463, 0.3495, 0.3721 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(198, 187, 153) }
```

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

```
.border{ border-color:rgb(198, 187, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 187, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 187, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 187, 153);  
box-shadow:4px 4px 4px 4px rgb(198, 187,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8463, 0.3495, 0.3721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 187, 153) }
```

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

```
.background{ background-color: rgb(198,  
187, 153) }
```

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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