

Converting Colors

$Y_{xy}(45.5475, 0.3789, 0.3915)$

Have a look what the booklet for
Yxy(45.5475, 0.3789, 0.3915)
contains.

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Color

Yxy(45.6731, 0.3795, 0.3923)

Conversions

Conversions Part 1

Format	Color
Hex	CBB17F
RGB	203, 177, 127
RGB Percent	80%, 69%, 50%
CMY	0.2039, 0.3059, 0.5019
CMYK	0.00, 0.13, 0.37, 0.20
HSL	39°, 42%, 65%
HSV	39°, 37%, 80%
XYZ	44.1829, 45.6731, 26.5679
YIQ	179.0740, 31.5460, -10.0380

Conversions

Conversions Part 2

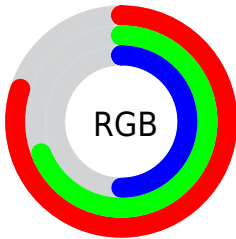
Format	Color
RYB	167, 203, 127
Decimal	13349247
CIELab	73.33, 2.27, 29.05
CIELCh	73, 29.134, 85.533
Yxy	45.6731, 0.3795, 0.3923
Android (android.graphics.Color)	4291539327 (0xFFCBB17F)
YUV	179.0740, -25.6725, 20.9831
Hunter-Lab	67.5819, -1.5707, 23.9991

Details

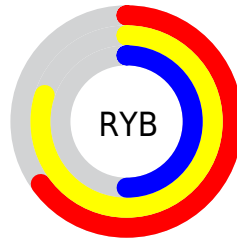
The Yxy color **45.6731, 0.3795, 0.3923** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **31.6105, 0.2504, 0.2559**, and the grayscale version is **45.2493, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8331, 0.3632, 0.3826**, and **21.4990, 0.3982, 0.4099** is the 20% darker color. If you saturate the color by 10%, you get **42.5235, 0.4004, 0.4088**, and if you desaturate by 10%, it is **49.0732, 0.3596, 0.3750**.

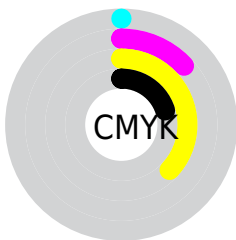
Distribution



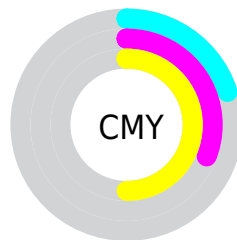
- Red (80%)
- Green (69%)
- Blue (50%)



- Red (65%)
- Yellow (80%)
- Blue (50%)



- Cyan (0%)
- Magenta (13%)
- Yellow (37%)
- Black (20%)





- Cyan (20%)
- Magenta (31%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.6731, 0.3795, 0.3923 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 45.6731, 0.3795, 0.3923 by changing the saturation by 10% instead.


 45.6731, 0.3795,
0.3923


 45.6731, 0.3795,
0.3923


369.4928, 0.3463,
0.3612

 31.9879, 0.3876,
0.3997


 83.7296, 0.3676,
0.3812

 21.3523, 0.3977,
0.4091


 108.8696, 0.3630,
0.3770

 13.3818, 0.4108,
0.4209


 138.5968, 0.3592,
0.3733

 7.6919, 0.4281,
0.4363

173.2955, 0.3559,
0.3702

 3.8985, 0.4517,
0.4567

213.3500, 0.3530,
0.3675

 1.6169, 0.5006,
0.4994

259.1448, 0.3505,

 0.3690, 0.5239,

0.3651

0.4761

311.0643, 0.3483,
0.3630

0.0000, 0.0000,
0.0000

45.6731, 0.3795,
0.3923

45.6731, 0.3795,
0.3923

42.5235, 0.4004,
0.4088

49.0732, 0.3596,
0.3750

39.6097, 0.4218,
0.4236

52.7254, 0.3411,
0.3578

36.9245, 0.4427,
0.4355

56.6393, 0.3242,
0.3410

34.4576, 0.4622,
0.4436

60.8220, 0.3090,
0.3250

32.1974, 0.4791,
0.4468

65.2800, 0.2953,
0.3100

■ 30.1284, 0.4929,
0.4450

■ 70.0199, 0.2832,
0.2962

■ 29.6227, 0.4962,
0.4442

■ 74.1052, 0.2801,
0.2975

■ 77.9513, 0.2806,
0.3051

■ 81.9520, 0.2811,
0.3126

Harmonies

Analogous

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



45.6731, 0.3944, 0.3660



45.6731, 0.3795, 0.3923



45.6731, 0.3468, 0.4030

Triad

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



45.6731, 0.3795, 0.3923



45.6731, 0.2444, 0.3178



45.6731, 0.3151, 0.2765

Complementary

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



45.6731, 0.3795, 0.3923



31.6105, 0.2504, 0.2559

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.



45.6731, 0.2759, 0.2636



45.6731, 0.3795, 0.3923



45.6731, 0.2371, 0.2845

Square

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



45.6731, 0.3795, 0.3923



45.6731, 0.2690, 0.3581



45.6731, 0.2482, 0.2658



45.6731, 0.3561, 0.3012

Rectangle

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



45.6731, 0.3795, 0.3923



45.6731, 0.3199, 0.3975



45.6731, 0.2482, 0.2658



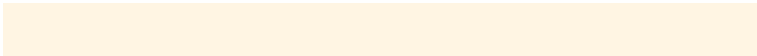
45.6731, 0.3012, 0.2707

Sweetspot

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



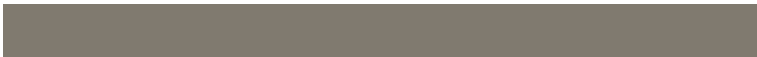
45.6752, 0.3795, 0.3923



92.3521, 0.3303, 0.3471



30.1981, 0.3711, 0.2948



19.5737, 0.3326, 0.3494



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.



45.6752, 0.3795, 0.3923



72.1388, 0.3965, 0.4059



55.4018, 0.3587, 0.4244



12.4251, 0.3274, 0.3442



19.0257, 0.4949, 0.4453



1.1191, 0.4765, 0.4598

Inverse Universe

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



31.6105, 0.2504, 0.2559



45.2627, 0.2358, 0.2365



24.9310, 0.2545, 0.2194



11.4611, 0.2983, 0.3133



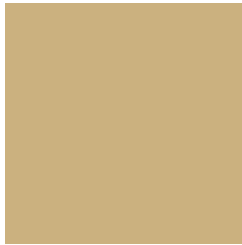
5.6417, 0.1643, 0.1116



0.4316, 0.1755, 0.1518

Previews

White Background



This preview shows how the Yxy color 45.6731, 0.3795, 0.3923 looks on a white background.

Color Contrast Check

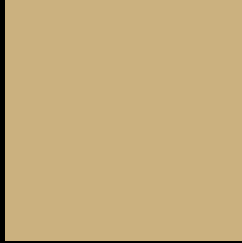
Large Text (above 18pt) WCAG AA × Fail

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 45.6731, 0.3795, 0.3923 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

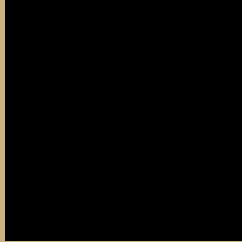
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.6731, 0.3795, 0.3923

Background



This preview shows how black text looks on a background with the Yxy color 45.6731, 0.3795, 0.3923.



This preview shows how white text looks on a background with the Yxy color 45.6731, 0.3795, 0.3923.

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

45.6731, 0.3795, 0.3923

Protanopia

45.6704, 0.3688, 0.3967

Deuteranopia

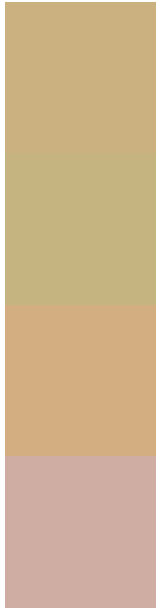
45.7418, 0.3910, 0.3840



Tritanopia

45.7237, 0.3372, 0.3132

Trichromacy



Original Color

45.6731, 0.3795, 0.3923

Protanomaly

45.6690, 0.3721, 0.3948

Deuteranomaly

45.5323, 0.3867, 0.3860

Tritanomaly

45.7969, 0.3527, 0.3416

Monochromacy



Original Color

45.6731, 0.3795, 0.3923

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.0702, 0.3366, 0.3528

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6731, 0.3795, 0.3923 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(203, 177, 127)` looks like.

```
.text, #text, p{  
    color:rgb(203, 177, 127)  
}
```

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(203, 177, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 177, 127) }
```

Border

The CSS property to change the border of an element to Yxy 45.6731, 0.3795, 0.3923 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(203, 177, 127) }
```

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

```
.border{ border-color:rgb(203, 177, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 177, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 177, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 177, 127);  
box-shadow:4px 4px 4px 4px rgb(203, 177,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6731, 0.3795, 0.3923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 177, 127) }
```

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

```
.background{ background-color: rgb(203,  
177, 127) }
```

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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