

Converting Colors

$Yxy(40.0521, 0.4233, 0.4494)$

Have a look what the booklet for
Yxy(40.0521, 0.4233, 0.4494)
contains.

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Color

Yxy(40.1707, 0.4233, 0.4493)

Conversions

Conversions Part 1

Format	Color
Hex	C4A845
RGB	196, 168, 69
RGB Percent	77%, 66%, 27%
CMY	0.2313, 0.3412, 0.7294
CMYK	0.00, 0.14, 0.65, 0.23
HSL	47°, 52%, 52%
HSV	47°, 65%, 77%
XYZ	37.8461, 40.1707, 11.3905
YIQ	165.0860, 48.4670, -24.8530

Conversions

Conversions Part 2

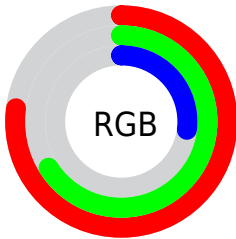
Format	Color
RYB	105, 196, 69
Decimal	12888133
CIELab	69.59, -1.08, 53.33
CIELCh	70, 53.344, 91.162
Yxy	40.1707, 0.4233, 0.4493
Android (android.graphics.Color)	4291078213 (0xFFC4A845)
YUV	165.0860, -47.3704, 27.1116
Hunter-Lab	63.3804, -4.3285, 33.7109

Details

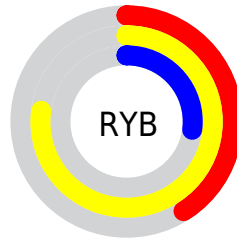
The Yxy color **40.1707, 0.4233, 0.4493** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **13.8078, 0.1976, 0.1634**, and the grayscale version is **37.8869, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.4158, 0.4053, 0.4300**, and **18.0039, 0.4478, 0.4756** is the 20% darker color. If you saturate the color by 10%, you get **38.3975, 0.4383, 0.4605**, and if you desaturate by 10%, it is **42.0812, 0.4065, 0.4344**.

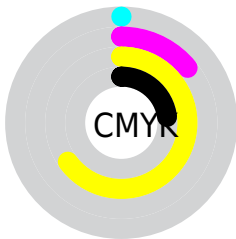
Distribution



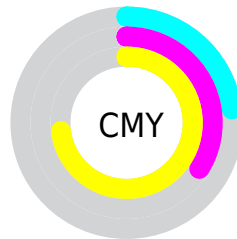
- Red (77%)
- Green (66%)
- Blue (27%)



- Red (41%)
- Yellow (77%)
- Blue (27%)



- Cyan (0%)
- Magenta (14%)
- Yellow (65%)
- Black (23%)





- Cyan (23%)
- Magenta (34%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1707, 0.4233, 0.4493 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 40.1707, 0.4233, 0.4493 by changing the saturation by 10% instead.


 40.1707, 0.4233,
0.4493


 40.1707, 0.4233,
0.4493


346.8425, 0.3704,
0.3914


 27.6717, 0.4345,
0.4618


 75.4234, 0.4053,
0.4294


 18.0783, 0.4474,
0.4761


 98.9458, 0.3981,
0.4216

 11.0062, 0.4613,
0.4920


 126.9115, 0.3919,
0.4148

 6.0710, 0.4832,
0.5168

 159.7048, 0.3864,
0.4088

 2.8883, 0.4820,
0.5180

 197.7102, 0.3817,
0.4037

 1.0737, 0.4799,
0.5201

241.3120, 0.3775,

 0.0000, 0.0000,

0.3991

0.0000

290.8947, 0.3737,
0.3950

■ 40.1707, 0.4233,
0.4493

■ 40.1707, 0.4233,
0.4493

■ 38.3975, 0.4383,
0.4605

■ 42.0812, 0.4065,
0.4344

■ 36.7472, 0.4509,
0.4672

■ 44.1310, 0.3886,
0.4168

■ 35.2110, 0.4605,
0.4693

■ 46.3288, 0.3705,
0.3976

■ 34.4460, 0.4648,
0.4692

■ 48.6808, 0.3527,
0.3776

■ 51.1929, 0.3358,
0.3575

■ 53.8705, 0.3199,
0.3380

■ 56.7186, 0.3053,
0.3195

■ 59.7421, 0.2919,
0.3020

■ 62.9456, 0.2798,
0.2859

Harmonies

Analogous

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



40.1707, 0.4634, 0.3983



40.1707, 0.4233, 0.4493



40.1707, 0.3565, 0.4736

Triad

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



40.1707, 0.4233, 0.4493



40.1707, 0.1848, 0.2890



40.1707, 0.3297, 0.2426

Complementary

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



40.1707, 0.4233, 0.4493



13.8078, 0.1976, 0.1634

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.



40.1707, 0.2552, 0.2163



40.1707, 0.4233, 0.4493



40.1707, 0.1800, 0.2353

Square

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



40.1707, 0.4233, 0.4493



40.1707, 0.2197, 0.3693



40.1707, 0.2037, 0.2125



40.1707, 0.4083, 0.2865

Rectangle

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



40.1707, 0.4233, 0.4493



40.1707, 0.3064, 0.4613



40.1707, 0.2037, 0.2125



40.1707, 0.3031, 0.2315

Sweetspot

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



40.1726, 0.4233, 0.4493



90.6310, 0.3433, 0.3665



16.8902, 0.4713, 0.2934



19.1176, 0.3483, 0.3723



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.



40.1726, 0.4233, 0.4493



68.1919, 0.4442, 0.4641



47.6164, 0.3712, 0.4944



11.3691, 0.3270, 0.3468



22.2597, 0.4640, 0.4698



1.0573, 0.4522, 0.4792

Inverse Universe

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



13.8078, 0.1976, 0.1634



17.1752, 0.1756, 0.1244



11.1205, 0.2149, 0.1352



10.1004, 0.2983, 0.3105



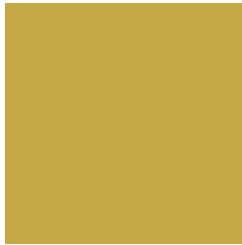
3.7894, 0.1569, 0.0847



0.2694, 0.1688, 0.1278

Previews

White Background



This preview shows how the Yxy color 40.1707, 0.4233, 0.4493 looks on a white background.

Color Contrast Check

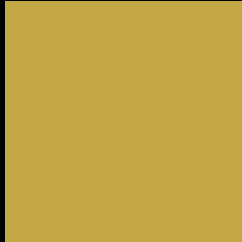
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Xy color 40.1707, 0.4233, 0.4493 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 40.1707, 0.4233, 0.4493

Background



This preview shows how black text looks on a background with the Yxy color 40.1707, 0.4233, 0.4493.



This preview shows how white text looks on a background with the Yxy color 40.1707, 0.4233, 0.4493.

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

40.1707, 0.4233, 0.4493

Protanopia

40.0105, 0.4141, 0.4543

Deuteranopia

40.1445, 0.4418, 0.4334



Tritanopia

40.1934, 0.3467, 0.3139

Trichromacy



Original Color

40.1707, 0.4233, 0.4493

Protanomaly

40.0246, 0.4178, 0.4516

Deuteranomaly

40.1149, 0.4359, 0.4390

Tritanomaly

39.9516, 0.3786, 0.3668

Monochromacy



Original Color

40.1707, 0.4233, 0.4493

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.1142, 0.3547, 0.3801

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1707, 0.4233, 0.4493 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, 168, 69)` looks like.

```
.text, #text, p{  
    color:rgb(196, 168, 69)  
}
```

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, 168, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 168, 69) }
```

Border

The CSS property to change the border of an element to Yxy 40.1707, 0.4233, 0.4493 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, 168, 69) }
```

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

```
.border{ border-color:rgb(196, 168, 69) }
```

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

Here you see how a box with a 4 pixel rgb(196, 168, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 168, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 168, 69);  
box-shadow:4px 4px 4px 4px rgb(196, 168,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1707, 0.4233, 0.4493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 168, 69) }
```

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

```
.background{ background-color: rgb(196,  
168, 69) }
```

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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