

Converting Colors

$Y_{xy}(40.2899, 0.4082, 0.4325)$

Have a look what the booklet for
Yxy(40.2899, 0.4082, 0.4325)
contains.

Yxy(40.1627, 0.4087, 0.4323)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.1627, 0.4087, 0.4323)

Conversions

Conversions Part 1

Format	Color
Hex	C2A857
RGB	194, 168, 87
RGB Percent	76%, 66%, 34%
CMY	0.2392, 0.3411, 0.6587
CMYK	0.00, 0.13, 0.55, 0.24
HSL	45°, 47%, 55%
HSV	45°, 55%, 76%
XYZ	37.9701, 40.1627, 14.7718
YIQ	166.5400, 41.4970, -19.6790

Conversions

Conversions Part 2

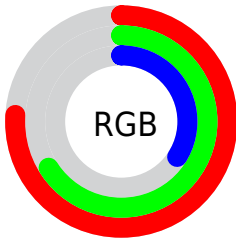
Format	Color
RYB	121, 194, 87
Decimal	12757079
CIELab	69.59, -0.66, 44.79
CIElCh	70, 44.798, 90.839
Yxy	40.1627, 0.4087, 0.4323
Android (android.graphics.Color)	4290947159 (0xFFC2A857)
YUV	166.5400, -39.2132, 24.0824
Hunter-Lab	63.3740, -3.9575, 30.5419

Details

The Yxy color **40.1627, 0.4087, 0.4323** is a light color, and the websafe version is hex **999933**. The color can be described as light muted orange. A complement of this color would be **17.7335, 0.2157, 0.1954**, and the grayscale version is **38.5887, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5221, 0.3925, 0.4143**, and **18.0276, 0.4328, 0.4573** is the 20% darker color. If you saturate the color by 10%, you get **38.1802, 0.4262, 0.4467**, and if you desaturate by 10%, it is **42.2973, 0.3903, 0.4152**.

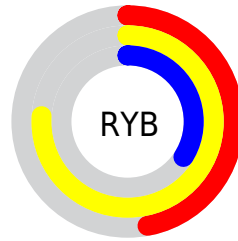
Distribution



Red (76%)

Green (66%)

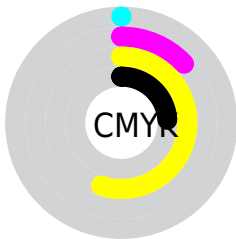
Blue (34%)



Red (47%)

Yellow (76%)

Blue (34%)

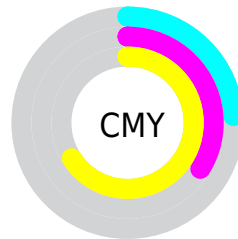


Cyan (0%)

Magenta (13%)

Yellow (55%)

Black (24%)



Cyan (24%)


Magenta (34%)

Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1627, 0.4087, 0.4323 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 40.1627, 0.4087, 0.4323 by changing the saturation by 10% instead.


 40.1627, 0.4087,
0.4323


 40.1627, 0.4087,
0.4323


346.8088, 0.3616,
0.3815


 27.6654, 0.4194,
0.4439


 75.4112, 0.3922,
0.4144

 18.0736, 0.4322,
0.4580


 98.9312, 0.3858,
0.4075

 11.0028, 0.4474,
0.4746


 126.8943, 0.3803,
0.4016

 6.0687, 0.4675,
0.4969

 159.6847, 0.3755,
0.3964

 2.8869, 0.4841,
0.5159

 197.6870, 0.3714,
0.3920

 1.0730, 0.4828,
0.5172

241.2856, 0.3677,

 0.0000, 0.0000,

0.3880

0.0000

290.8647, 0.3645,
0.3846

■ 40.1627, 0.4087,
0.4323

■ 40.1627, 0.4087,
0.4323

■ 38.1802, 0.4262,
0.4467

■ 42.2973, 0.3903,
0.4152

■ 36.3364, 0.4420,
0.4575

■ 44.5851, 0.3717,
0.3964

■ 34.6245, 0.4554,
0.4637

■ 47.0343, 0.3536,
0.3769

■ 33.0338, 0.4657,
0.4652

■ 49.6507, 0.3365,
0.3574

■ 32.2948, 0.4701,
0.4649

■ 52.4398, 0.3204,
0.3384

■ 55.4066, 0.3057,
0.3204

■ 58.5561, 0.2924,
0.3034

■ 61.8929, 0.2803,
0.2877

■ 64.9880, 0.2732,
0.2798

Harmonies

Analogous

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



40.1627, 0.4409, 0.3904



40.1627, 0.4087, 0.4323



40.1627, 0.3525, 0.4497

Triad

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



40.1627, 0.4087, 0.4323



40.1627, 0.2031, 0.2973



40.1627, 0.3270, 0.2543

Complementary

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



40.1627, 0.4087, 0.4323



17.7335, 0.2157, 0.1954

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.



40.1627, 0.2637, 0.2314



40.1627, 0.4087, 0.4323



40.1627, 0.1981, 0.2502

Square

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



40.1627, 0.4087, 0.4323



40.1627, 0.2346, 0.3639



40.1627, 0.2188, 0.2290



40.1627, 0.3925, 0.2928

Rectangle

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



40.1627, 0.4087, 0.4323



40.1627, 0.3097, 0.4383



40.1627, 0.2188, 0.2290



40.1627, 0.3046, 0.2446

Sweetspot

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



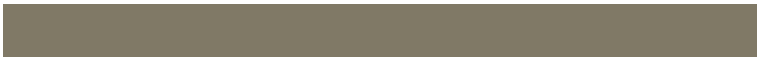
40.1646, 0.4087, 0.4323



88.9287, 0.3400, 0.3615



19.4976, 0.4327, 0.2942



19.2590, 0.3435, 0.3655



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.



40.1646, 0.4087, 0.4323



68.5240, 0.4294, 0.4491



47.5109, 0.3672, 0.4716



11.3303, 0.3271, 0.3463



21.3682, 0.4693, 0.4656



1.0252, 0.4560, 0.4762

Inverse Universe

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



17.7335, 0.2157, 0.1954



24.0275, 0.1950, 0.1617



14.2761, 0.2304, 0.1640



10.1365, 0.2983, 0.3111



4.0135, 0.1581, 0.0890



0.2855, 0.1705, 0.1337

Previews

White Background



This preview shows how the Yxy color 40.1627, 0.4087, 0.4323 looks on a white background.

Color Contrast Check

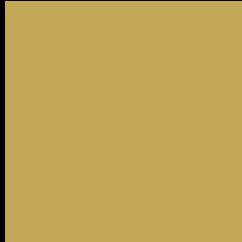
Large Text (above 18pt) WCAG AA × Fail

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 40.1627, 0.4087, 0.4323 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 40.1627, 0.4087, 0.4323

Background



This preview shows how black text looks on a background with the Yxy color 40.1627, 0.4087, 0.4323.

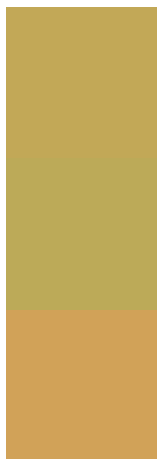


This preview shows how white text looks on a background with the Yxy color 40.1627, 0.4087, 0.4323.

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

40.1627, 0.4087, 0.4323

Protanopia

40.1454, 0.4006, 0.4361

Deuteranopia

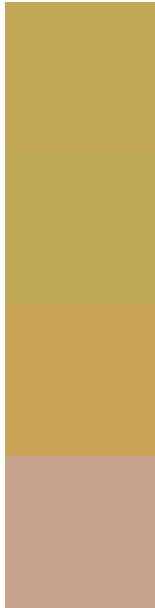
40.1006, 0.4273, 0.4182



Tritanopia

40.2931, 0.3436, 0.3139

Trichromacy



Original Color

40.1627, 0.4087, 0.4323

Protanomaly

40.0277, 0.4033, 0.4341

Deuteranomaly

40.0929, 0.4209, 0.4225

Tritanomaly

39.8762, 0.3698, 0.3579

Monochromacy



Original Color

40.1627, 0.4087, 0.4323

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

38.8195, 0.3481, 0.3698

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1627, 0.4087, 0.4323 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(194, 168, 87)` looks like.

```
.text, #text, p{  
    color:rgb(194, 168, 87)  
}
```

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(194, 168, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 168, 87) }
```

Border

The CSS property to change the border of an element to Yxy 40.1627, 0.4087, 0.4323 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(194, 168, 87) }
```

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

```
.border{ border-color:rgb(194, 168, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 168, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 168, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 168, 87);  
box-shadow:4px 4px 4px 4px rgb(194, 168,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1627, 0.4087, 0.4323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 168, 87) }
```

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

```
.background{ background-color: rgb(194,  
168, 87) }
```

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