

Converting Colors

$Yxy(40.3188, 0.4225, 0.4633)$

Have a look what the booklet for
Yxy(40.3188, 0.4225, 0.4633)
contains.

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Color

Yxy(40.1416, 0.4225, 0.4628)

Conversions

Conversions Part 1

Format	Color
Hex	BFAA3B
RGB	191, 170, 59
RGB Percent	75%, 67%, 23%
CMY	0.2510, 0.3333, 0.7688
CMYK	0.00, 0.11, 0.69, 0.25
HSL	50°, 53%, 49%
HSV	50°, 69%, 75%
XYZ	36.6461, 40.1416, 9.9487
YIQ	163.6250, 48.1470, -30.0690

Conversions

Conversions Part 2

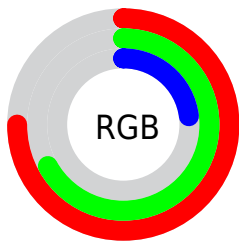
Format	Color
RYB	84, 191, 59
Decimal	12560955
CIELab	69.57, -4.92, 57.45
CIELCh	70, 57.665, 94.897
Yxy	40.1416, 0.4225, 0.4628
Android (android.graphics.Color)	4290751035 (0xFFBFAA3B)
YUV	163.6250, -51.5801, 24.0079
Hunter-Lab	63.3574, -7.6305, 35.0402

Details

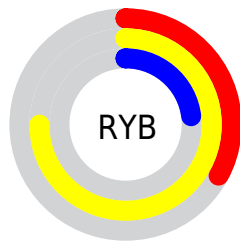
The Yxy color **40.1416, 0.4225, 0.4628** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **10.4171, 0.1875, 0.1388**, and the grayscale version is **37.1678, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.3443, 0.4055, 0.4410**, and **18.0252, 0.4413, 0.4878** is the 20% darker color. If you saturate the color by 10%, you get **38.8559, 0.4343, 0.4730**, and if you desaturate by 10%, it is **41.5298, 0.4084, 0.4486**.

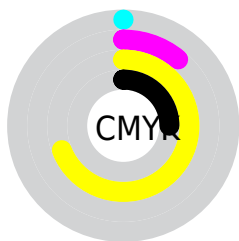
Distribution



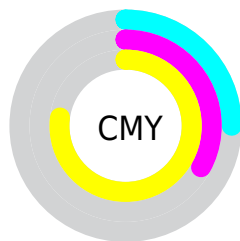
- Red (75%)
- Green (67%)
- Blue (23%)



- Red (33%)
- Yellow (75%)
- Blue (23%)



- Cyan (0%)
- Magenta (11%)
- Yellow (69%)
- Black (25%)





- Cyan (25%)
- Magenta (33%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1416, 0.4225, 0.4628 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 40.1416, 0.4225, 0.4628 by changing the saturation by 10% instead.


 40.1416, 0.4225,
0.4628


 40.1416, 0.4225,
0.4628


346.7200, 0.3712,
0.3982


 27.6490, 0.4328,
0.4766


 75.3791, 0.4055,
0.4407


 18.0612, 0.4439,
0.4923


 98.8927, 0.3985,
0.4320


 10.9939, 0.4553,
0.5098


 126.8488, 0.3924,
0.4244

 6.0628, 0.4683,
0.5317

 159.6318, 0.3871,
0.4178

 2.8833, 0.4629,
0.5371

 197.6260, 0.3824,
0.4120

 1.0711, 0.4532,
0.5468

241.2158, 0.3782,

 0.0000, 0.0000,

0.4068

0.0000

290.7857, 0.3745,
0.4023

■ 40.1416, 0.4225,
0.4628

■ 40.1416, 0.4225,
0.4628

■ 38.8559, 0.4343,
0.4730

■ 41.5298, 0.4084,
0.4486

■ 37.6585, 0.4434,
0.4787

■ 43.0221, 0.3927,
0.4311

■ 36.5364, 0.4500,
0.4804

■ 44.6267, 0.3760,
0.4114

■ 36.4404, 0.4505,
0.4805

■ 46.3496, 0.3591,
0.3903

■ 48.1960, 0.3424,
0.3689

■ 50.1708, 0.3265,
0.3477

■ 52.2788, 0.3114,
0.3273

■ 54.5241, 0.2975,
0.3079

■ 56.9110, 0.2848,
0.2898

Harmonies

Analogous

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



40.1416, 0.4711, 0.4088



40.1416, 0.4225, 0.4628



40.1416, 0.3485, 0.4857

Triad

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



40.1416, 0.4225, 0.4628



40.1416, 0.1737, 0.2759



40.1416, 0.3416, 0.2416

Complementary

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



40.1416, 0.4225, 0.4628



10.4171, 0.1875, 0.1388

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.



40.1416, 0.2595, 0.2111



40.1416, 0.4225, 0.4628



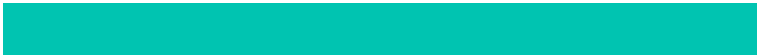
40.1416, 0.1728, 0.2234

Square

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



40.1416, 0.4225, 0.4628



40.1416, 0.2062, 0.3606



40.1416, 0.2014, 0.2037



40.1416, 0.4252, 0.2898

Rectangle

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



40.1416, 0.4225, 0.4628



40.1416, 0.2949, 0.4678



40.1416, 0.2014, 0.2037



40.1416, 0.3125, 0.2291

Sweetspot

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



40.1435, 0.4225, 0.4628



85.5873, 0.3461, 0.3736



14.7918, 0.5041, 0.3040



18.5893, 0.3507, 0.3796



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.



40.1435, 0.4225, 0.4628



68.4732, 0.4394, 0.4765



43.7705, 0.3650, 0.5081



10.8554, 0.3268, 0.3482



24.0505, 0.4500, 0.4809



1.0124, 0.4415, 0.4876

Inverse Universe

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



10.4171, 0.1875, 0.1388



12.2166, 0.1662, 0.1001



9.7666, 0.2161, 0.1275



9.4636, 0.2984, 0.3091



3.1722, 0.1541, 0.0749



0.2024, 0.1648, 0.1131

Previews

White Background



This preview shows how the Yxy color 40.1416, 0.4225, 0.4628 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 40.1416, 0.4225, 0.4628 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 40.1416, 0.4225, 0.4628

Background



This preview shows how black text looks on a background with the Yxy color 40.1416, 0.4225, 0.4628.

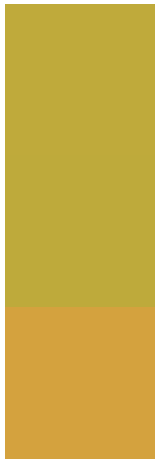


This preview shows how white text looks on a background with the Yxy color 40.1416, 0.4225, 0.4628.

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

40.1416, 0.4225, 0.4628

Protanopia

40.0124, 0.4215, 0.4634

Deuteranopia

40.1855, 0.4485, 0.4402



Tritanopia

40.0159, 0.3416, 0.3138

Trichromacy



Original Color

40.1416, 0.4225, 0.4628

Protanomaly

40.0124, 0.4215, 0.4634

Deuteranomaly

40.0846, 0.4386, 0.4485

Tritanomaly

39.6764, 0.3771, 0.3726

Monochromacy



Original Color

40.1416, 0.4225, 0.4628

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

37.7775, 0.3563, 0.3862

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1416, 0.4225, 0.4628 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(191, 170, 59)` looks like.

```
.text, #text, p{  
    color:rgb(191, 170, 59)  
}
```

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(191, 170, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 170, 59) }
```

Border

The CSS property to change the border of an element to Yxy 40.1416, 0.4225, 0.4628 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(191, 170, 59) }
```

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

```
.border{ border-color:rgb(191, 170, 59) }
```

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

Here you see how a box with a 4 pixel rgb(191, 170, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 170, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 170, 59);  
box-shadow:4px 4px 4px 4px rgb(191, 170,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1416, 0.4225, 0.4628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 170, 59) }
```

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

```
.background{ background-color: rgb(191,  
170, 59) }
```

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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