

Converting Colors

$Yxy(41.9845, 0.4154, 0.4593)$

Have a look what the booklet for
Yxy(41.9845, 0.4154, 0.4593)
contains.

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Color

Yxy(41.8838, 0.4156, 0.4594)

Conversions

Conversions Part 1

Format	Color
Hex	C0AE43
RGB	192, 174, 67
RGB Percent	75%, 68%, 26%
CMY	0.2470, 0.3176, 0.7373
CMYK	0.00, 0.09, 0.65, 0.25
HSL	51°, 50%, 51%
HSV	51°, 65%, 75%
XYZ	37.8905, 41.8838, 11.3963
YIQ	167.1840, 45.0750, -29.4610

Conversions

Conversions Part 2

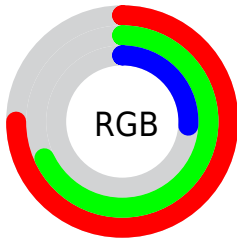
Format	Color
RYB	88, 192, 67
Decimal	12627523
CIELab	70.79, -6.11, 55.39
CIELCh	71, 55.721, 96.295
Yxy	41.8838, 0.4156, 0.4594
Android (android.graphics.Color)	4290817603 (0xFFC0AE43)
YUV	167.1840, -49.3907, 21.7636
Hunter-Lab	64.7177, -8.7489, 34.8618

Details

The Yxy color **41.8838, 0.4156, 0.4594** is a dark color, and the websafe version is hex **999933**. The color can be described as middle muted orange. A complement of this color would be **11.4988, 0.1936, 0.1476**, and the grayscale version is **38.9687, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9039, 0.3996, 0.4373**, and **19.0787, 0.4357, 0.4898** is the 20% darker color. If you saturate the color by 10%, you get **40.6340, 0.4279, 0.4715**, and if you desaturate by 10%, it is **43.2360, 0.4012, 0.4436**.

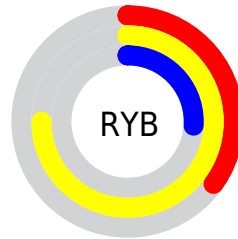
Distribution



Red (75%)

Green (68%)

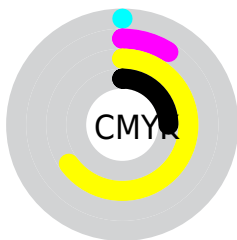
Blue (26%)



Red (35%)

Yellow (75%)

Blue (26%)

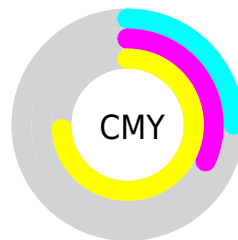


Cyan (0%)

Magenta (9%)

Yellow (65%)

Black (25%)



Cyan (25%)


Magenta (32%)


Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.8838, 0.4156, 0.4594 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 41.8838, 0.4156, 0.4594 by changing the saturation by 10% instead.


 41.8838, 0.4156,
0.4594

 41.8838, 0.4156,
0.4594


354.0010, 0.3675,
0.3961


 29.0103, 0.4253,
0.4732


 78.0237, 0.3996,
0.4376


 19.0886, 0.4361,
0.4894


 102.0590, 0.3931,
0.4290


 11.7343, 0.4472,
0.5075


 130.5836, 0.3874,
0.4216

 6.5630, 0.4643,
0.5357

 163.9820, 0.3824,
0.4151

 3.1904, 0.4579,
0.5421

 202.6385, 0.3780,
0.4095

 1.2319, 0.4467,
0.5533

246.9376, 0.3741,

 0.0875, 0.0000,

0.4045

1.0000

297.2636, 0.3706,
0.4001

■ 0.0000, 0.0000,
0.0000

■ 41.8838, 0.4156,
0.4594

■ 41.8838, 0.4156,
0.4594

■ 40.6340, 0.4279,
0.4715

■ 43.2360, 0.4012,
0.4436

■ 39.4726, 0.4376,
0.4792

■ 44.6915, 0.3854,
0.4248

■ 38.3919, 0.4445,
0.4824

■ 46.2586, 0.3688,
0.4042

■ 37.8830, 0.4473,
0.4830

■ 47.9429, 0.3521,
0.3826

■ 49.7496, 0.3358,
0.3609

■ 51.6834, 0.3203,
0.3396

■ 53.7489, 0.3057,
0.3192

■ 55.9504, 0.2923,
0.3000

■ 58.2919, 0.2799,
0.2821

Harmonies

Analogous

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



41.8838, 0.4632, 0.4093



41.8838, 0.4156, 0.4594



41.8838, 0.3441, 0.4776

Triad

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



41.8838, 0.4156, 0.4594



41.8838, 0.1786, 0.2757



41.8838, 0.3444, 0.2469

Complementary

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



41.8838, 0.4156, 0.4594



11.4988, 0.1936, 0.1476

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.



41.8838, 0.2652, 0.2166



41.8838, 0.4156, 0.4594



41.8838, 0.1789, 0.2265

Square

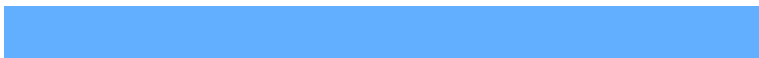
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



41.8838, 0.4156, 0.4594



41.8838, 0.2088, 0.3552



41.8838, 0.2079, 0.2084



41.8838, 0.4231, 0.2942

Rectangle

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



41.8838, 0.4156, 0.4594



41.8838, 0.2928, 0.4581



41.8838, 0.2079, 0.2084



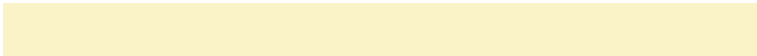
41.8838, 0.3166, 0.2346

Sweetspot

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



41.8858, 0.4156, 0.4594



88.3919, 0.3443, 0.3722



15.8903, 0.4908, 0.3068



18.7663, 0.3489, 0.3784



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.



41.8858, 0.4156, 0.4594



72.7220, 0.4322, 0.4752



44.4321, 0.3620, 0.5006



11.5029, 0.3268, 0.3485



25.5739, 0.4469, 0.4834



1.1741, 0.4398, 0.4890

Inverse Universe

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



11.4988, 0.1936, 0.1476



13.9046, 0.1716, 0.1089



11.1838, 0.2247, 0.1392



9.9770, 0.2983, 0.3087



3.1797, 0.1536, 0.0727



0.2144, 0.1629, 0.1063

Previews

White Background



This preview shows how the Yxy color 41.8838, 0.4156, 0.4594 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 41.8838, 0.4156, 0.4594 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 41.8838, 0.4156, 0.4594

Background



This preview shows how black text looks on a background with the Yxy color 41.8838, 0.4156, 0.4594.



This preview shows how white text looks on a background with the Yxy color 41.8838, 0.4156, 0.4594.

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

41.8838, 0.4156, 0.4594

Protanopia

42.0148, 0.4165, 0.4588

Deuteranopia

41.7995, 0.4436, 0.4354



Tritanopia

41.7465, 0.3372, 0.3126

Trichromacy



Original Color

41.8838, 0.4156, 0.4594

Protanomaly

42.0148, 0.4165, 0.4588

Deuteranomaly

41.7003, 0.4340, 0.4434

Tritanomaly

41.4208, 0.3708, 0.3696

Monochromacy



Original Color

41.8838, 0.4156, 0.4594

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.6183, 0.3525, 0.3839

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8838, 0.4156, 0.4594 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(192, 174, 67)` looks like.

```
.text, #text, p{  
    color:rgb(192, 174, 67)  
}
```

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(192, 174, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 174, 67) }
```

Border

The CSS property to change the border of an element to Yxy 41.8838, 0.4156, 0.4594 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(192, 174, 67) }
```

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

```
.border{ border-color:rgb(192, 174, 67) }
```

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

Here you see how a box with a 4 pixel rgb(192, 174, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 174, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 174, 67);  
box-shadow:4px 4px 4px 4px rgb(192, 174,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8838, 0.4156, 0.4594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 174, 67) }
```

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

```
.background{ background-color: rgb(192,  
174, 67) }
```

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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