

Converting Colors

$Y_{xy}(42.1875, 0.4601, 0.4387)$

Have a look what the booklet for
Yxy(42.1875, 0.4601, 0.4387)
contains.

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Color

Yxy(42.1778, 0.4605, 0.4388)

Conversions

Conversions Part 1

Format	Color
Hex	DFA339
RGB	223, 163, 57
RGB Percent	87%, 64%, 22%
CMY	0.1256, 0.3607, 0.7764
CMYK	0.00, 0.27, 0.74, 0.13
HSL	38°, 72%, 55%
HSV	38°, 74%, 87%
XYZ	44.2636, 42.1778, 9.6794
YIQ	168.8560, 69.7860, -20.2460

Conversions

Conversions Part 2

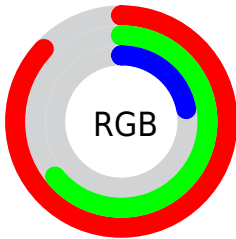
Format	Color
RYB	151, 223, 57
Decimal	14656313
CIELab	70.99, 12.59, 60.73
CIELCh	71, 62.019, 78.288
Yxy	42.1778, 0.4605, 0.4388
Android (android.graphics.Color)	4292846393 (0xFFDFA339)
YUV	168.8560, -55.1450, 47.4843
Hunter-Lab	64.9444, 8.0059, 36.6245

Details

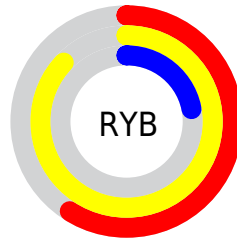
The Yxy color **42.1778, 0.4605, 0.4388** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **18.9139, 0.1897, 0.1680**, and the grayscale version is **39.8545, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.5505, 0.4139, 0.4341**, and **19.3749, 0.4870, 0.4515** is the 20% darker color. If you saturate the color by 10%, you get **39.2332, 0.4791, 0.4429**, and if you desaturate by 10%, it is **45.4066, 0.4396, 0.4300**.

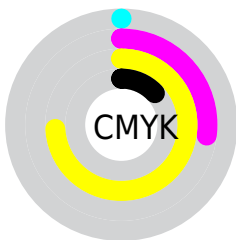
Distribution



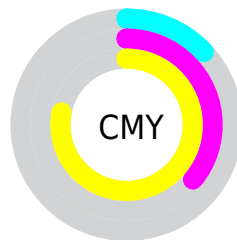
- Red (87%)
- Green (64%)
- Blue (22%)



- Red (59%)
- Yellow (87%)
- Blue (22%)



- Cyan (0%)
- Magenta (27%)
- Yellow (74%)
- Black (13%)




- Cyan (13%)
- Magenta (36%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.1778, 0.4605, 0.4388 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 42.1778, 0.4605, 0.4388 by changing the saturation by 10% instead.


 42.1778, 0.4605,
0.4388


 42.1778, 0.4605,
0.4388


355.2195, 0.3903,
0.3910


 29.2405, 0.4752,
0.4471


 78.4686, 0.4368,
0.4239


 19.2629, 0.4918,
0.4553


 102.5910, 0.4273,
0.4175

 11.8604, 0.5105,
0.4624


 131.2106, 0.4190,
0.4118

 6.6487, 0.5325,
0.4675

 164.7116, 0.4118,
0.4067

 3.2434, 0.5442,
0.4558

 203.4787, 0.4054,
0.4021

 1.2601, 0.5640,
0.4360

 247.8961, 0.3998,

 0.1100, 0.7893,

0.3980

0.2107

298.3482, 0.3948,
0.3943

0.0000, 0.0000,
0.0000

42.1778, 0.4605,
0.4388

42.1778, 0.4605,
0.4388

39.2332, 0.4791,
0.4429

45.4066, 0.4396,
0.4300

36.5492, 0.4946,
0.4418

48.9278, 0.4176,
0.4174

35.1554, 0.5021,
0.4395

52.7566, 0.3956,
0.4024

56.9048, 0.3743,
0.3859

61.3834, 0.3544,
0.3689

■ 66.2025, 0.3361,
0.3521

■ 71.3717, 0.3195,
0.3359

■ 76.9004, 0.3047,
0.3206

■ 82.6225, 0.2930,
0.3090

Harmonies

Analogous

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



42.1778, 0.4888, 0.3760



42.1778, 0.4605, 0.4388



42.1778, 0.3944, 0.4869

Triad

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



42.1778, 0.4605, 0.4388



42.1778, 0.1813, 0.3185



42.1778, 0.2927, 0.2171

Complementary

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



42.1778, 0.4605, 0.4388



18.9139, 0.1897, 0.1680

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.



42.1778, 0.2192, 0.1981



42.1778, 0.4605, 0.4388



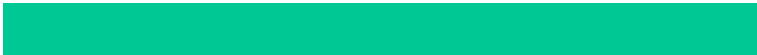
42.1778, 0.1630, 0.2433

Square

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



42.1778, 0.4605, 0.4388



42.1778, 0.2334, 0.4173



42.1778, 0.1759, 0.2050



42.1778, 0.3845, 0.2579

Rectangle

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



42.1778, 0.4605, 0.4388



42.1778, 0.3397, 0.4944



42.1778, 0.1759, 0.2050



42.1778, 0.2651, 0.2082

Sweetspot

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



42.1799, 0.4605, 0.4388



84.6411, 0.3501, 0.3651



19.9170, 0.4740, 0.2686



17.7459, 0.3553, 0.3697



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.



42.1799, 0.4605, 0.4388



51.2310, 0.4877, 0.4430



65.4593, 0.3923, 0.5018



15.1530, 0.3276, 0.3439



20.8959, 0.5005, 0.4408



1.6164, 0.4848, 0.4533

Inverse Universe

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



18.9139, 0.1897, 0.1680



18.6304, 0.1726, 0.1334



9.9217, 0.1825, 0.1005



14.0499, 0.2981, 0.3136



6.7515, 0.1656, 0.1159



0.6339, 0.1742, 0.1470

Previews

White Background



This preview shows how the Yxy color 42.1778, 0.4605, 0.4388 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 42.1778, 0.4605, 0.4388 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 42.1778, 0.4605, 0.4388

Background



This preview shows how black text looks on a background with the Yxy color 42.1778, 0.4605, 0.4388.



This preview shows how white text looks on a background with the Yxy color 42.1778, 0.4605, 0.4388.

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

42.1778, 0.4605, 0.4388

Protanopia

42.2005, 0.4224, 0.4635

Deuteranopia

42.1012, 0.4545, 0.4442



Tritanopia

42.2858, 0.3796, 0.3165

Trichromacy



Original Color

42.1778, 0.4605, 0.4388

Protanomaly

42.0444, 0.4361, 0.4545

Deuteranomaly

42.0521, 0.4574, 0.4421

Tritanomaly

41.9255, 0.4148, 0.3666

Monochromacy



Original Color

42.1778, 0.4605, 0.4388

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

40.0148, 0.3692, 0.3817

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1778, 0.4605, 0.4388 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(223, 163, 57)` looks like.

```
.text, #text, p{  
    color:rgb(223, 163, 57)  
}
```

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(223, 163, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 163, 57) }
```

Border

The CSS property to change the border of an element to Yxy 42.1778, 0.4605, 0.4388 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(223, 163, 57) }
```

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

```
.border{ border-color:rgb(223, 163, 57) }
```

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

Here you see how a box with a 4 pixel rgb(223, 163, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 163, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 163, 57);  
box-shadow:4px 4px 4px 4px rgb(223, 163,  
57) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 42.1778, 0.4605, 0.4388$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 163, 57) }
```

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

```
.background{ background-color: rgb(223,  
163, 57) }
```

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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