

Converting Colors

$Y_{xy}(42.0831, 0.4420, 0.4055)$

Have a look what the booklet for
Yxy(42.0831, 0.4420, 0.4055)
contains.

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Color

Yxy(42.0831, 0.4420, 0.4055)

Conversions

Conversions Part 1

Format	Color
Hex	E2A05C
RGB	226, 160, 92
RGB Percent	89%, 63%, 36%
CMY	0.1136, 0.3726, 0.6393
CMYK	0.00, 0.29, 0.59, 0.11
HSL	30°, 70%, 62%
HSV	30°, 59%, 89%
XYZ	45.8711, 42.0831, 15.8266
YIQ	171.9820, 61.1640, -7.1560

Conversions

Conversions Part 2

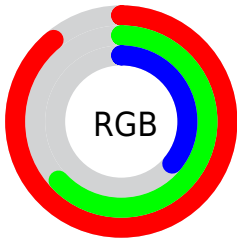
Format	Color
RYB	222, 226, 92
Decimal	14852188
CIELab	70.93, 17.51, 44.72
CIELCh	71, 48.023, 68.621
Yxy	42.0831, 0.4420, 0.4055
Android (android.graphics.Color)	4293042268 (0xFFE2A05C)
YUV	171.9820, -39.4311, 47.3738
Hunter-Lab	64.8715, 12.6935, 30.9452

Details

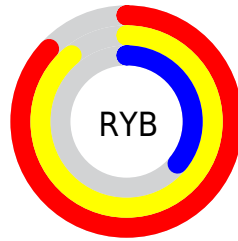
The Yxy color **42.0831, 0.4420, 0.4055** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **32.2237, 0.2182, 0.2315**, and the grayscale version is **41.4264, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.8745, 0.3943, 0.4016**, and **19.1150, 0.4758, 0.4185** is the 20% darker color. If you saturate the color by 10%, you get **38.0583, 0.4694, 0.4137**, and if you desaturate by 10%, it is **46.5756, 0.4151, 0.3944**.

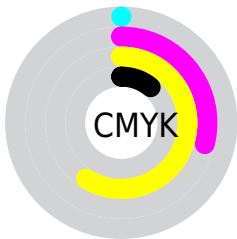
Distribution



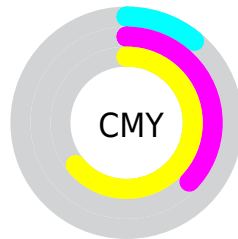
- Red (89%)
- Green (63%)
- Blue (36%)



- Red (87%)
- Yellow (89%)
- Blue (36%)



- Cyan (0%)
- Magenta (29%)
- Yellow (59%)
- Black (11%)





- Cyan (11%)
- Magenta (37%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.0831, 0.4420, 0.4055 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 42.0831, 0.4420, 0.4055 by changing the saturation by 10% instead.


 42.0831, 0.4420,
0.4055

 42.0831, 0.4420,
0.4055


354.8273, 0.3776,
0.3712

 29.1664, 0.4571,
0.4122


 78.3254, 0.4191,
0.3943


 19.2067, 0.4757,
0.4194


 102.4197, 0.4103,
0.3897

 11.8197, 0.4985,
0.4265


 131.0087, 0.4029,
0.3856

 6.6211, 0.5278,
0.4329

 164.4767, 0.3964,
0.3820

 3.2263, 0.5652,
0.4348

203.2082, 0.3908,
0.3789

 1.2510, 0.5916,
0.4084

247.5876, 0.3859,

 0.1028, 0.8363,

0.3760

0.1637

297.9991, 0.3815,
0.3735

0.0000, 0.0000,
0.0000

42.0831, 0.4420,
0.4055

42.0831, 0.4420,
0.4055

38.0583, 0.4694,
0.4137

46.5756, 0.4151,
0.3944

34.4752, 0.4957,
0.4175

51.5479, 0.3898,
0.3814

31.3136, 0.5193,
0.4161

57.0189, 0.3667,
0.3678

28.5430, 0.5391,
0.4096

63.0045, 0.3460,
0.3540

28.3622, 0.5404,
0.4091

69.5197, 0.3277,
0.3407

■ 76.5790, 0.3117,
0.3282

■ 84.1961, 0.2977,
0.3164

■ 91.1837, 0.2951,
0.3230

■ 94.9122, 0.2952,
0.3289

Harmonies

Analogous

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



42.0831, 0.4483, 0.3542



42.0831, 0.4420, 0.4055



42.0831, 0.3996, 0.4456

Triad

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



42.0831, 0.4420, 0.4055



42.0831, 0.2193, 0.3465



42.0831, 0.2768, 0.2312

Complementary

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



42.0831, 0.4420, 0.4055



32.2237, 0.2182, 0.2315

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.



42.0831, 0.2240, 0.2226



42.0831, 0.4420, 0.4055



42.0831, 0.1938, 0.2798

Square

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



42.0831, 0.4420, 0.4055



42.0831, 0.2706, 0.4168



42.0831, 0.1957, 0.2377



42.0831, 0.3463, 0.2598

Rectangle

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



42.0831, 0.4420, 0.4055



42.0831, 0.3588, 0.4566



42.0831, 0.1957, 0.2377



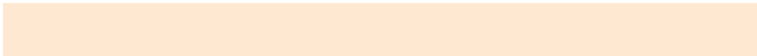
42.0831, 0.2567, 0.2259

Sweetspot

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



42.0852, 0.4420, 0.4055



83.8016, 0.3437, 0.3524



26.3272, 0.4006, 0.2544



17.4232, 0.3494, 0.3564



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.



42.0852, 0.4420, 0.4055



48.9598, 0.4752, 0.4149



71.3489, 0.3966, 0.4677



14.8444, 0.3279, 0.3409



16.4156, 0.5380, 0.4110



1.3170, 0.5149, 0.4294

Inverse Universe

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



32.2237, 0.2182, 0.2315



34.9154, 0.2018, 0.2073



15.4185, 0.1976, 0.1387



14.3527, 0.2981, 0.3168



9.8958, 0.1767, 0.1559



0.8649, 0.1845, 0.1841

Previews

White Background



This preview shows how the Yxy color 42.0831, 0.4420, 0.4055 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 42.0831, 0.4420, 0.4055 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

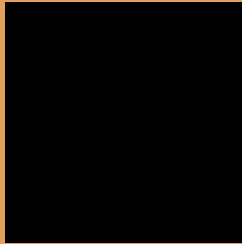
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.0831, 0.4420, 0.4055

Background



This preview shows how black text looks on a background with the Yxy color 42.0831, 0.4420, 0.4055.



This preview shows how white text looks on a background with the Yxy color 42.0831, 0.4420, 0.4055.

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

42.0831, 0.4420, 0.4055

Protanopia

42.2115, 0.3941, 0.4290

Deuteranopia

42.1739, 0.4258, 0.4179



Tritanopia

42.0897, 0.3820, 0.3165

Trichromacy



Original Color

42.0831, 0.4420, 0.4055

Protanomaly

42.0395, 0.4117, 0.4205

Deuteranomaly

42.2117, 0.4321, 0.4138

Tritanomaly

41.9068, 0.4058, 0.3502

Monochromacy



Original Color

42.0831, 0.4420, 0.4055

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.1949, 0.3580, 0.3624

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0831, 0.4420, 0.4055 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(226, 160, 92)` looks like.

```
.text, #text, p{  
    color:rgb(226, 160, 92)  
}
```

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(226, 160, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 160, 92) }
```

Border

The CSS property to change the border of an element to Yxy 42.0831, 0.4420, 0.4055 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(226, 160, 92) }
```

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

```
.border{ border-color:rgb(226, 160, 92) }
```

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

Here you see how a box with a 4 pixel rgb(226, 160, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 160, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 160, 92);  
box-shadow:4px 4px 4px 4px rgb(226, 160,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0831, 0.4420, 0.4055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 160, 92) }
```

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

```
.background{ background-color: rgb(226,  
160, 92) }
```

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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