

Converting Colors

$Y_{xy}(42.2198, 0.4450, 0.4052)$

Have a look what the booklet for
Yxy(42.2198, 0.4450, 0.4052)
contains.

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Color

Yxy(42.3909, 0.4446, 0.4057)

Conversions

Conversions Part 1

Format	Color
Hex	E4A05B
RGB	228, 160, 91
RGB Percent	89%, 63%, 36%
CMY	0.1059, 0.3725, 0.6429
CMYK	0.00, 0.30, 0.60, 0.11
HSL	30°, 72%, 63%
HSV	30°, 60%, 89%
XYZ	46.4555, 42.3909, 15.6419
YIQ	172.4660, 62.6770, -7.0430

Conversions

Conversions Part 2

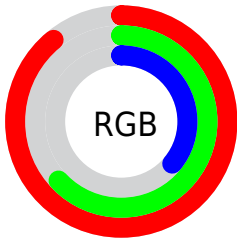
Format	Color
R_{YB}	226, 228, 91
Decimal	14983259
CIE _{Lab}	71.14, 18.25, 45.49
CIE _{LCh}	71, 49.019, 68.138
Yxy	42.3909, 0.4446, 0.4057
Android (android.graphics.Color)	4293173339 (0xFFE4A05B)
YUV	172.4660, -40.1627, 48.7033
Hunter-Lab	65.1083, 13.4222, 31.3317

Details

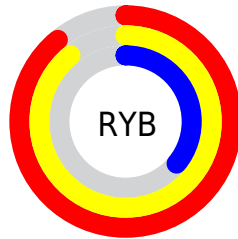
The Yxy color **42.3909, 0.4446, 0.4057** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **32.6392, 0.2172, 0.2308**, and the grayscale version is **41.6907, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.8440, 0.3950, 0.4025**, and **19.3202, 0.4799, 0.4190** is the 20% darker color. If you saturate the color by 10%, you get **38.3093, 0.4721, 0.4135**, and if you desaturate by 10%, it is **46.9537, 0.4175, 0.3948**.

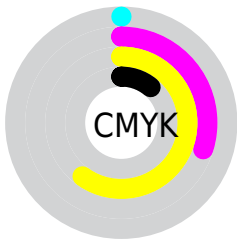
Distribution



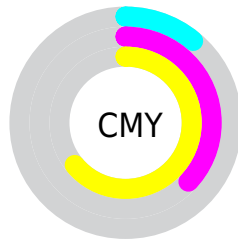
- Red (89%)
- Green (63%)
- Blue (36%)



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



- Cyan (0%)
- Magenta (30%)
- Yellow (60%)
- Black (11%)



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

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.3909, 0.4446, 0.4057 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 42.3909, 0.4446, 0.4057 by changing the saturation by 10% instead.


 42.3909, 0.4446,
0.4057


 42.3909, 0.4446,
0.4057


356.1008, 0.3791,
0.3716

 29.4075, 0.4599,
0.4122


 78.7909, 0.4214,
0.3946

 19.3893, 0.4787,
0.4192


 102.9763, 0.4124,
0.3901

 11.9519, 0.5017,
0.4260


 131.6644, 0.4048,
0.3860

 6.7109, 0.5313,
0.4318

 165.2398, 0.3982,
0.3824

 3.2820, 0.5679,
0.4321

204.0867, 0.3925,
0.3793

 1.2807, 0.5949,
0.4051

248.5896, 0.3875,

 0.1262, 0.8176,

0.3764

0.1824

299.1328, 0.3830,
0.3739

0.0000, 0.0000,
0.0000

42.3909, 0.4446,
0.4057

42.3909, 0.4446,
0.4057

38.3093, 0.4721,
0.4135

46.9537, 0.4175,
0.3948

34.6818, 0.4985,
0.4169

52.0102, 0.3919,
0.3821

31.4873, 0.5220,
0.4150

57.5802, 0.3685,
0.3685

28.7095, 0.5416,
0.4081

63.6801, 0.3475,
0.3549

70.3257, 0.3290,
0.3416

■ 77.5318, 0.3128,
0.3291

■ 85.3126, 0.2987,
0.3174

■ 92.4360, 0.2963,
0.3245

■ 95.2338, 0.2964,
0.3290

Harmonies

Analogous

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



42.3909, 0.4505, 0.3535



42.3909, 0.4446, 0.4057



42.3909, 0.4018, 0.4471

Triad

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



42.3909, 0.4446, 0.4057



42.3909, 0.2184, 0.3479



42.3909, 0.2751, 0.2294

Complementary

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



42.3909, 0.4446, 0.4057



32.6392, 0.2172, 0.2308

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.



42.3909, 0.2219, 0.2210



42.3909, 0.4446, 0.4057



42.3909, 0.1921, 0.2797

Square

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



42.3909, 0.4446, 0.4057



42.3909, 0.2707, 0.4196



42.3909, 0.1937, 0.2366



42.3909, 0.3456, 0.2581

Rectangle

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



42.3909, 0.4446, 0.4057



42.3909, 0.3605, 0.4589



42.3909, 0.1937, 0.2366



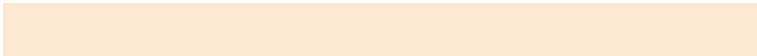
42.3909, 0.2548, 0.2241

Sweetspot

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



42.3930, 0.4446, 0.4057



83.7005, 0.3437, 0.3523



26.5057, 0.4024, 0.2537



17.3986, 0.3495, 0.3562



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.



42.3930, 0.4446, 0.4057



48.2152, 0.4786, 0.4147



72.7361, 0.3974, 0.4691



15.5613, 0.3280, 0.3409



16.8157, 0.5393, 0.4100



1.4285, 0.5171, 0.4276

Inverse Universe

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



32.6392, 0.2172, 0.2308



34.6118, 0.2008, 0.2062



15.3185, 0.1960, 0.1361



15.0633, 0.2981, 0.3169



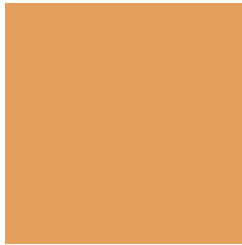
10.3168, 0.1770, 0.1570



0.9481, 0.1843, 0.1836

Previews

White Background



This preview shows how the Yxy color 42.3909, 0.4446, 0.4057 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 42.3909, 0.4446, 0.4057 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

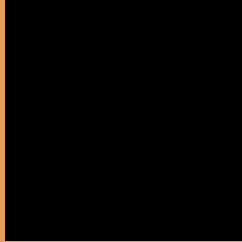
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.3909, 0.4446, 0.4057

Background



This preview shows how black text looks on a background with the Yxy color 42.3909, 0.4446, 0.4057.



This preview shows how white text looks on a background with the Yxy color 42.3909, 0.4446, 0.4057.

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

42.3909, 0.4446, 0.4057

Protanopia

42.7109, 0.3952, 0.4308

Deuteranopia

42.3068, 0.4275, 0.4185



Tritanopia

42.4245, 0.3839, 0.3166

Trichromacy



Original Color

42.3909, 0.4446, 0.4057

Protanomaly

42.5367, 0.4128, 0.4223

Deuteranomaly

42.3492, 0.4338, 0.4144

Tritanomaly

42.2378, 0.4077, 0.3501

Monochromacy



Original Color

42.3909, 0.4446, 0.4057

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 42.3909, 0.4446, 0.4057 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(228, 160, 91)` looks like.

```
.text, #text, p{  
    color:rgb(228, 160, 91)  
}
```

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(228, 160, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 160, 91) }
```

Border

The CSS property to change the border of an element to Yxy 42.3909, 0.4446, 0.4057 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(228, 160, 91) }
```

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

```
.border{ border-color:rgb(228, 160, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 160, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 160, 91); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 160, 91); box-shadow:4px 4px 4px 4px rgb(228, 160, 91) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 42.3909, 0.4446, 0.4057$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 160, 91) }
```

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

```
.background{ background-color: rgb(228,  
160, 91) }
```

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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