

Converting Colors

$Y_{xy}(41.3371, 0.4497, 0.4257)$

Have a look what the booklet for
Yxy(41.3371, 0.4497, 0.4257)
contains.

Yxy(41.1998, 0.4492, 0.4255)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(41.1998, 0.4492, 0.4255)

Conversions

Conversions Part 1

Format	Color
Hex	DCA14A
RGB	220, 161, 74
RGB Percent	86%, 63%, 29%
CMY	0.1373, 0.3686, 0.7099
CMYK	0.00, 0.27, 0.66, 0.14
HSL	36°, 68%, 58%
HSV	36°, 66%, 86%
XYZ	43.4946, 41.1998, 12.1324
YIQ	168.7230, 63.0910, -14.5490

Conversions

Conversions Part 2

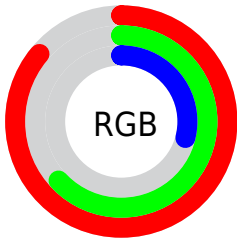
Format	Color
RYB	173, 220, 74
Decimal	14459210
CIELab	70.32, 13.25, 52.58
CIELCh	70, 54.224, 75.853
Yxy	41.1998, 0.4492, 0.4255
Android (android.graphics.Color)	4292649290 (0xFFDCA14A)
YUV	168.7230, -46.6984, 44.9699
Hunter-Lab	64.1871, 8.6282, 33.7242

Details

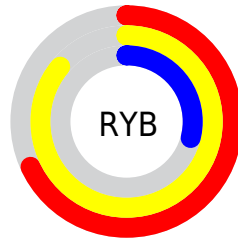
The Yxy color **41.1998, 0.4492, 0.4255** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **23.3848, 0.2036, 0.1974**, and the grayscale version is **39.7435, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.8781, 0.4059, 0.4194**, and **18.7794, 0.4812, 0.4430** is the 20% darker color. If you saturate the color by 10%, you get **37.9588, 0.4717, 0.4327**, and if you desaturate by 10%, it is **44.7693, 0.4256, 0.4144**.

Distribution



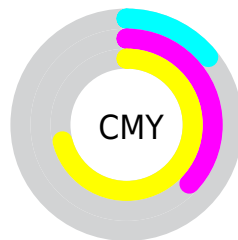
- Red (86%)
- Green (63%)
- Blue (29%)



- Red (68%)
- Yellow (86%)
- Blue (29%)



- Cyan (0%)
- Magenta (27%)
- Yellow (66%)
- Black (14%)





- Cyan (14%)
- Magenta (37%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.1998, 0.4492, 0.4255 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 41.1998, 0.4492, 0.4255 by changing the saturation by 10% instead.

 41.1998, 0.4492,
0.4255


 41.1998, 0.4492,
0.4255


351.1550, 0.3825,
0.3821


 28.4752, 0.4641,
0.4337


 76.9871, 0.4260,
0.4115

 18.6842, 0.4817,
0.4424


 100.8186, 0.4169,
0.4057


 11.4423, 0.5022,
0.4505


 129.1213, 0.4091,
0.4005

 6.3652, 0.5354,
0.4646

 162.2794, 0.4024,
0.3959

 3.0684, 0.5481,
0.4519

 200.6775, 0.3965,
0.3919

 1.1675, 0.5697,
0.4303

244.6998, 0.3913,

 0.0349, 0.9108,

0.3883

0.0892

294.7309, 0.3866,
0.3850

0.0000, 0.0000,
0.0000

41.1998, 0.4492,
0.4255

41.1998, 0.4492,
0.4255

37.9588, 0.4717,
0.4327

44.7693, 0.4256,
0.4144

35.0243, 0.4918,
0.4349

48.6753, 0.4022,
0.4007

32.3792, 0.5086,
0.4318

52.9327, 0.3797,
0.3854

31.4825, 0.5142,
0.4300

57.5536, 0.3588,
0.3695

62.5490, 0.3398,
0.3536

■ 67.9296, 0.3226,
0.3383

■ 73.7055, 0.3074,
0.3239

■ 79.8861, 0.2939,
0.3104

■ 85.3395, 0.2913,
0.3146

Harmonies

Analogous

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



41.1998, 0.4689, 0.3692



41.1998, 0.4492, 0.4255



41.1998, 0.3932, 0.4673

Triad

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



41.1998, 0.4492, 0.4255



41.1998, 0.1980, 0.3277



41.1998, 0.2894, 0.2259

Complementary

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



41.1998, 0.4492, 0.4255



23.3848, 0.2036, 0.1974

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.



41.1998, 0.2249, 0.2105



41.1998, 0.4492, 0.4255



41.1998, 0.1779, 0.2581

Square

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



41.1998, 0.4492, 0.4255



41.1998, 0.2482, 0.4124



41.1998, 0.1873, 0.2197



41.1998, 0.3700, 0.2618

Rectangle

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



41.1998, 0.4492, 0.4255



41.1998, 0.3450, 0.4743



41.1998, 0.1873, 0.2197



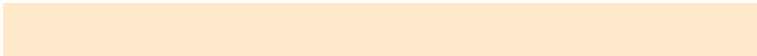
41.1998, 0.2652, 0.2183

Sweetspot

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



41.2018, 0.4492, 0.4255



84.6925, 0.3468, 0.3596



21.8524, 0.4359, 0.2622



17.7049, 0.3522, 0.3641



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.



41.2018, 0.4492, 0.4255



51.2308, 0.4807, 0.4343



65.0637, 0.3937, 0.4852



14.3356, 0.3277, 0.3429



18.7012, 0.5123, 0.4314



1.3789, 0.4931, 0.4467

Inverse Universe

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



23.3848, 0.2036, 0.1974



24.8102, 0.1850, 0.1647



12.0454, 0.1916, 0.1201



13.4764, 0.2982, 0.3147



7.4186, 0.1690, 0.1282



0.6468, 0.1780, 0.1607

Previews

White Background



This preview shows how the Yxy color 41.1998, 0.4492, 0.4255 looks on a white background.

Color Contrast Check

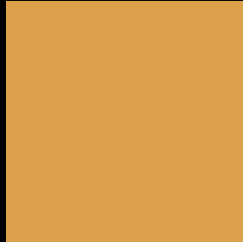
Large Text (above 18pt) WCAG AA × Fail

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 41.1998, 0.4492, 0.4255 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 41.1998, 0.4492, 0.4255

Background



This preview shows how black text looks on a background with the Yxy color 41.1998, 0.4492, 0.4255.



This preview shows how white text looks on a background with the Yxy color 41.1998, 0.4492, 0.4255.

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

41.1998, 0.4492, 0.4255

Protanopia

41.1172, 0.4099, 0.4485

Deuteranopia

41.3281, 0.4416, 0.4323



Tritanopia

40.9463, 0.3774, 0.3151

Trichromacy



Original Color

41.1998, 0.4492, 0.4255

Protanomaly

41.0836, 0.4246, 0.4398

Deuteranomaly

41.2744, 0.4443, 0.4303

Tritanomaly

40.9287, 0.4070, 0.3577

Monochromacy



Original Color

41.1998, 0.4492, 0.4255

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.6850, 0.3630, 0.3725

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.1998, 0.4492, 0.4255 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(220, 161, 74)` looks like.

```
.text, #text, p{  
    color:rgb(220, 161, 74)  
}
```

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(220, 161, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 161, 74) }
```

Border

The CSS property to change the border of an element to Yxy 41.1998, 0.4492, 0.4255 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(220, 161, 74) }
```

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

```
.border{ border-color:rgb(220, 161, 74) }
```

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

Here you see how a box with a 4 pixel rgb(220, 161, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 161, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 161, 74);  
box-shadow:4px 4px 4px 4px rgb(220, 161,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 41.1998, 0.4492, 0.4255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 161, 74) }
```

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

```
.background{ background-color: rgb(220,  
161, 74) }
```

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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