

Converting Colors

$Y_{xy}(42.7248, 0.4251, 0.4556)$

Have a look what the booklet for
Yxy(42.7248, 0.4251, 0.4556)
contains.

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Color

Yxy(42.5482, 0.4253, 0.4556)

Conversions

Conversions Part 1

Format	Color
Hex	C8AD41
RGB	200, 173, 65
RGB Percent	78%, 68%, 25%
CMY	0.2157, 0.3216, 0.7450
CMYK	0.00, 0.14, 0.67, 0.22
HSL	48°, 55%, 52%
HSV	48°, 67%, 78%
XYZ	39.7185, 42.5482, 11.1227
YIQ	168.7610, 50.7600, -27.8640

Conversions

Conversions Part 2

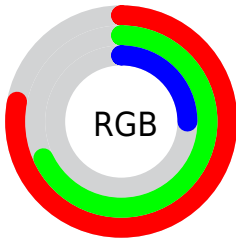
Format	Color
R_{YB}	99, 200, 65
Decimal	13151553
CIE Lab	71.25, -2.25, 56.93
CIE LCh	71, 56.978, 92.266
Yxy	42.5482, 0.4253, 0.4556
Android (android.graphics.Color)	4291341633 (0xFFC8AD41)
YUV	168.7610, -51.1542, 27.3966
Hunter-Lab	65.2290, -5.4605, 35.5503

Details

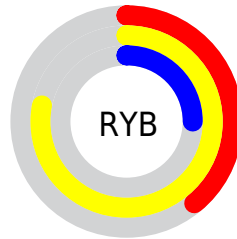
The Yxy color **42.5482, 0.4253, 0.4556** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **12.9526, 0.1919, 0.1512**, and the grayscale version is **39.7929, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0548, 0.4043, 0.4368**, and **19.5144, 0.4486, 0.4820** is the 20% darker color. If you saturate the color by 10%, you get **40.8465, 0.4390, 0.4659**, and if you desaturate by 10%, it is **44.3820, 0.4095, 0.4413**.

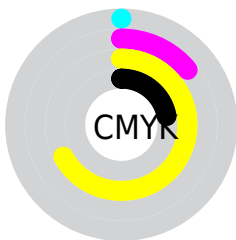
Distribution



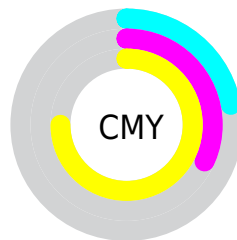
- Red (78%)
- Green (68%)
- Blue (25%)



- Red (39%)
- Yellow (78%)
- Blue (25%)



- Cyan (0%)
- Magenta (14%)
- Yellow (67%)
- Black (22%)




- Cyan (22%)
- Magenta (32%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.5482, 0.4253, 0.4556 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 42.5482, 0.4253, 0.4556 by changing the saturation by 10% instead.


 42.5482, 0.4253,
0.4556

 42.5482, 0.4253,
0.4556


356.7504, 0.3726,
0.3955


 29.5308, 0.4361,
0.4682


 79.0286, 0.4077,
0.4352

 19.4827, 0.4481,
0.4826


 103.2604, 0.4005,
0.4271


 12.0196, 0.4607,
0.4982


 131.9992, 0.3943,
0.4200

 6.7570, 0.4790,
0.5210

 165.6292, 0.3888,
0.4138

 3.3106, 0.4767,
0.5233

 204.5350, 0.3840,
0.4084

 1.2960, 0.4728,
0.5272

249.1008, 0.3798,

 0.1381, 0.3558,

0.4036

0.6442

299.7112, 0.3760,
0.3993

0.0000, 0.0000,
0.0000

42.5482, 0.4253,
0.4556

42.5482, 0.4253,
0.4556

40.8465, 0.4390,
0.4659

44.3820, 0.4095,
0.4413

39.2612, 0.4499,
0.4717

46.3499, 0.3925,
0.4241

37.7811, 0.4581,
0.4730

48.4613, 0.3748,
0.4047

37.4207, 0.4600,
0.4730

50.7228, 0.3572,
0.3844

53.1403, 0.3401,
0.3638

■ 55.7196, 0.3240,
0.3436

■ 58.4659, 0.3091,
0.3242

■ 61.3844, 0.2953,
0.3060

■ 64.4796, 0.2829,
0.2890

Harmonies

Analogous

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



42.5482, 0.4691, 0.4023



42.5482, 0.4253, 0.4556



42.5482, 0.3548, 0.4808

Triad

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



42.5482, 0.4253, 0.4556



42.5482, 0.1789, 0.2839



42.5482, 0.3334, 0.2405

Complementary

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



42.5482, 0.4253, 0.4556



12.9526, 0.1919, 0.1512

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.



42.5482, 0.2550, 0.2125



42.5482, 0.4253, 0.4556



42.5482, 0.1752, 0.2296

Square

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



42.5482, 0.4253, 0.4556



42.5482, 0.2136, 0.3677



42.5482, 0.2008, 0.2075



42.5482, 0.4155, 0.2864

Rectangle

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



42.5482, 0.4253, 0.4556



42.5482, 0.3026, 0.4669



42.5482, 0.2008, 0.2075



42.5482, 0.3054, 0.2288

Sweetspot

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



42.5502, 0.4253, 0.4556



90.8025, 0.3448, 0.3695



16.8757, 0.4862, 0.2957



19.1788, 0.3497, 0.3754



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.



42.5502, 0.4253, 0.4556



69.4103, 0.4444, 0.4692



49.3486, 0.3705, 0.5014



12.0426, 0.3270, 0.3474



23.9210, 0.4593, 0.4735



1.2270, 0.4495, 0.4813

Inverse Universe

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



12.9526, 0.1919, 0.1512



15.1323, 0.1706, 0.1126



10.8524, 0.2121, 0.1283



10.6254, 0.2983, 0.3100



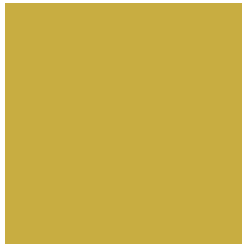
3.7196, 0.1558, 0.0809



0.2806, 0.1665, 0.1194

Previews

White Background



This preview shows how the Yxy color 42.5482, 0.4253, 0.4556 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 42.5482, 0.4253, 0.4556 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 42.5482, 0.4253, 0.4556

Background



This preview shows how black text looks on a background with the Yxy color 42.5482, 0.4253, 0.4556.



This preview shows how white text looks on a background with the Yxy color 42.5482, 0.4253, 0.4556.

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

42.5482, 0.4253, 0.4556

Protanopia

42.6554, 0.4182, 0.4596

Deuteranopia

42.4294, 0.4464, 0.4378



Tritanopia

42.4911, 0.3459, 0.3131

Trichromacy



Original Color

42.5482, 0.4253, 0.4556

Protanomaly

42.5358, 0.4210, 0.4575

Deuteranomaly

42.6182, 0.4387, 0.4448

Tritanomaly

42.1435, 0.3800, 0.3685

Monochromacy



Original Color

42.5482, 0.4253, 0.4556

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

40.0914, 0.3564, 0.3832

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5482, 0.4253, 0.4556 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(200, 173, 65)` looks like.

```
.text, #text, p{  
    color:rgb(200, 173, 65)  
}
```

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(200, 173, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 173, 65) }
```

Border

The CSS property to change the border of an element to Yxy 42.5482, 0.4253, 0.4556 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(200, 173, 65) }
```

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

```
.border{ border-color:rgb(200, 173, 65) }
```

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

Here you see how a box with a 4 pixel rgb(200, 173, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 173, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 173, 65);  
box-shadow:4px 4px 4px 4px rgb(200, 173,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 42.5482, 0.4253, 0.4556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 173, 65) }
```

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

```
.background{ background-color: rgb(200,  
173, 65) }
```

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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