

Converting Colors

$Y_{xy}(25.0862, 0.4453, 0.4444)$

Have a look what the booklet for
Yxy(25.0862, 0.4453, 0.4444)
contains.

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Color

$\text{Yxy}(25.1428, 0.4448, 0.4451)$

Conversions

Conversions Part 1

Format	Color
Hex	A9842F
RGB	169, 132, 47
RGB Percent	66%, 52%, 18%
CMY	0.3373, 0.4823, 0.8156
CMYK	0.00, 0.22, 0.72, 0.34
HSL	42°, 56%, 42%
HSV	42°, 72%, 66%
XYZ	25.1259, 25.1428, 6.2193
YIQ	133.3730, 49.3370, -18.5910

Conversions

Conversions Part 2

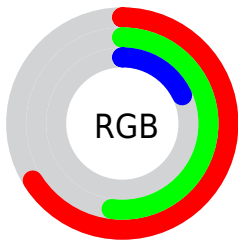
Format	Color
R_{YB}	100, 169, 47
Decimal	11109423
CIE _{Lab}	57.21, 5.32, 49.21
CIE _{LCh}	57, 49.494, 83.833
Yxy	25.1428, 0.4448, 0.4451
Android (android.graphics.Color)	4289299503 (0xFFA9842F)
YUV	133.3730, -42.5819, 31.2449
Hunter-Lab	50.1426, 1.6947, 27.7459

Details

The Yxy color **25.1428, 0.4448, 0.4451** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **9.8099, 0.1913, 0.1631**, and the grayscale version is **23.7447, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.9107, 0.4199, 0.4254**, and **9.6972, 0.4727, 0.4629** is the 20% darker color. If you saturate the color by 10%, you get **23.6770, 0.4615, 0.4520**, and if you desaturate by 10%, it is **26.7321, 0.4261, 0.4340**.

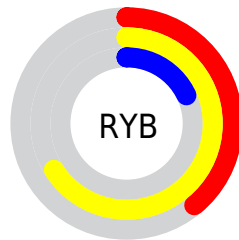
Distribution



Red (66%)

Green (52%)

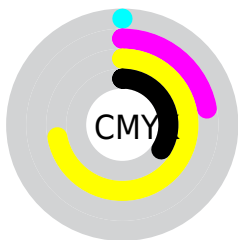
Blue (18%)



Red (39%)

Yellow (66%)

Blue (18%)

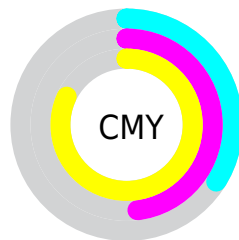


Cyan (0%)

Magenta (22%)

Yellow (72%)

Black (34%)



Cyan (34%)

Magenta (48%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.1428, 0.4448, 0.4451 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 25.1428, 0.4448, 0.4451 by changing the saturation by 10% instead.


 25.1428, 0.4448,
0.4451


 25.1428, 0.4448,
0.4451


278.5484, 0.3762,
0.3870


 16.1835, 0.4606,
0.4573


 51.8888, 0.4203,
0.4251

 9.6541, 0.4787,
0.4702


 70.4443, 0.4109,
0.4171

 5.1702, 0.5084,
0.4916

 92.9672, 0.4028,
0.4103

 2.3475, 0.5146,
0.4854

 119.8421, 0.3960,
0.4043

 0.7987, 0.5270,
0.4730

 151.4532, 0.3900,
0.3991

 0.0000, 0.0000,
0.0000

 188.1850, 0.3848,

0.3946

230.4220, 0.3803,
0.3906

■ 25.1428, 0.4448,
0.4451

■ 25.1428, 0.4448,
0.4451

■ 23.6770, 0.4615,
0.4520

■ 26.7321, 0.4261,
0.4340

■ 22.3237, 0.4753,
0.4542

■ 28.4477, 0.4064,
0.4197

■ 21.3326, 0.4847,
0.4533

■ 30.2965, 0.3865,
0.4032

■ 32.2836, 0.3671,
0.3855

■ 34.4140, 0.3487,
0.3675

■ 36.6921, 0.3316,
0.3497

■ 39.1221, 0.3159,
0.3326

■ 41.7080, 0.3017,
0.3164

■ 44.4537, 0.2890,
0.3014

Harmonies

Analogous

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



25.1428, 0.4791, 0.3865



25.1428, 0.4448, 0.4451



25.1428, 0.3776, 0.4835

Triad

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



25.1428, 0.4448, 0.4451



25.1428, 0.1815, 0.3040



25.1428, 0.3094, 0.2277

Complementary

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



25.1428, 0.4448, 0.4451



9.8099, 0.1913, 0.1631

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.



25.1428, 0.2345, 0.2052



25.1428, 0.4448, 0.4451



25.1428, 0.1693, 0.2384

Square

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



25.1428, 0.4448, 0.4451



25.1428, 0.2261, 0.3955



25.1428, 0.1871, 0.2072



25.1428, 0.3967, 0.2702

Rectangle

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



25.1428, 0.4448, 0.4451



25.1428, 0.3245, 0.4820



25.1428, 0.1871, 0.2072



25.1428, 0.2819, 0.2177

Sweetspot

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



25.1440, 0.4448, 0.4451



61.5542, 0.3491, 0.3679



11.1346, 0.4755, 0.2780



13.1972, 0.3537, 0.3725



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



25.1440, 0.4448, 0.4451



40.8393, 0.4707, 0.4540



34.7480, 0.3842, 0.5006



8.3841, 0.3269, 0.3447



15.9976, 0.4839, 0.4540



0.4728, 0.4582, 0.4744

Inverse Universe

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



9.8099, 0.1913, 0.1631



12.0979, 0.1711, 0.1241



6.1776, 0.1938, 0.1123



7.6577, 0.2986, 0.3128



4.0001, 0.1621, 0.1034



0.1862, 0.1808, 0.1709

Previews

White Background



This preview shows how the Yxy color 25.1428, 0.4448, 0.4451 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 25.1428, 0.4448, 0.4451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

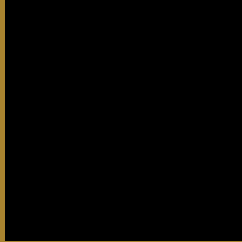
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.1428, 0.4448, 0.4451

Background



This preview shows how black text looks on a background with the Yxy color 25.1428, 0.4448, 0.4451.



This preview shows how white text looks on a background with the Yxy color 25.1428, 0.4448, 0.4451.

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

25.1428, 0.4448, 0.4451

Protanopia

25.2687, 0.4191, 0.4610

Deuteranopia

25.2085, 0.4494, 0.4418



Tritanopia

25.2227, 0.3646, 0.3158

Trichromacy



Original Color

25.1428, 0.4448, 0.4451

Protanomaly

25.1926, 0.4279, 0.4560

Deuteranomaly

25.0958, 0.4483, 0.4425

Tritanomaly

25.0223, 0.3991, 0.3668

Monochromacy



Original Color

25.1428, 0.4448, 0.4451

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.8454, 0.3624, 0.3817

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.1428, 0.4448, 0.4451 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(169, 132, 47)` looks like.

```
.text, #text, p{  
    color:rgb(169, 132, 47)  
}
```

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(169, 132, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 132, 47) }
```

Border

The CSS property to change the border of an element to Yxy 25.1428, 0.4448, 0.4451 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(169, 132, 47) }
```

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

```
.border{ border-color:rgb(169, 132, 47) }
```

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

Here you see how a box with a 4 pixel rgb(169, 132, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 132, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 132, 47);  
box-shadow:4px 4px 4px 4px rgb(169, 132,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 25.1428, 0.4448, 0.4451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 132, 47) }
```

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

```
.background{ background-color: rgb(169,  
132, 47) }
```

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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