

Converting Colors

$Y_{xy}(25.0039, 0.4388, 0.4563)$

Have a look what the booklet for
Yxy(25.0039, 0.4388, 0.4563)
contains.

Yxy(25.0039, 0.4388, 0.4563)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(25.0039, 0.4388, 0.4563)$

Conversions

Conversions Part 1

Format	Color
Hex	A3862A
RGB	163, 134, 42
RGB Percent	64%, 53%, 16%
CMY	0.3608, 0.4745, 0.8353
CMYK	0.00, 0.18, 0.74, 0.36
HSL	46°, 59%, 40%
HSV	46°, 74%, 64%
XYZ	24.0450, 25.0039, 5.7482
YIQ	132.1830, 46.8160, -22.4640

Conversions

Conversions Part 2

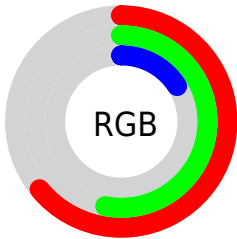
Format	Color
R_{YB}	80, 163, 42
Decimal	10716714
CIE _{Lab}	57.08, 1.23, 50.97
CIE _{LCh}	57, 50.986, 88.618
Yxy	25.0039, 0.4388, 0.4563
Android (android.graphics.Color)	4288906794 (0xFFFA3862A)
YUV	132.1830, -44.4602, 27.0265
Hunter-Lab	50.0039, -1.6730, 28.1870

Details

The Yxy color **25.0039, 0.4388, 0.4563** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **7.6379, 0.1850, 0.1440**, and the grayscale version is **23.2948, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.7210, 0.4159, 0.4336**, and **9.6228, 0.4587, 0.4740** is the 20% darker color. If you saturate the color by 10%, you get **23.8520, 0.4523, 0.4634**, and if you desaturate by 10%, it is **26.2455, 0.4230, 0.4449**.

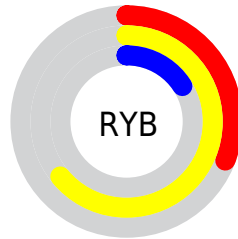
Distribution



Red (64%)

Green (53%)

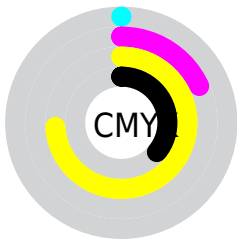
Blue (16%)



Red (31%)

Yellow (64%)

Blue (16%)

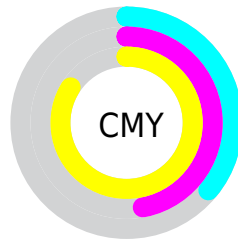


Cyan (0%)

Magenta (18%)

Yellow (74%)

Black (36%)



Cyan (36%)

Magenta (47%)

Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.0039, 0.4388, 0.4563 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 25.0039, 0.4388, 0.4563 by changing the saturation by 10% instead.


 25.0039, 0.4388,
0.4563


 25.0039, 0.4388,
0.4563


277.8574, 0.3743,
0.3917


 16.0800, 0.4530,
0.4702


 51.6636, 0.4161,
0.4338


 9.5808, 0.4688,
0.4853


 70.1681, 0.4072,
0.4249


 5.1219, 0.4923,
0.5077

 92.6349, 0.3996,
0.4173

 2.3190, 0.4937,
0.5063

 119.4484, 0.3931,
0.4107

 0.7837, 0.4972,
0.5028

 150.9930, 0.3874,
0.4050

 0.0000, 0.0000,
0.0000

 187.6531, 0.3825,

0.4000

229.8131, 0.3781,
0.3956

■ 25.0039, 0.4388,
0.4563

■ 25.0039, 0.4388,
0.4563

■ 23.8520, 0.4523,
0.4634

■ 26.2455, 0.4230,
0.4449

■ 22.7795, 0.4630,
0.4659

■ 27.5788, 0.4056,
0.4301

■ 22.1889, 0.4686,
0.4662

■ 29.0097, 0.3874,
0.4129

■ 30.5428, 0.3692,
0.3941

■ 32.1821, 0.3514,
0.3747

■ 33.9313, 0.3346,
0.3554

■ 35.7938, 0.3190,
0.3367

■ 37.7732, 0.3046,
0.3189

■ 39.8724, 0.2915,
0.3021

Harmonies

Analogous

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



25.0039, 0.4814, 0.3973



25.0039, 0.4388, 0.4563



25.0039, 0.3661, 0.4907

Triad

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



25.0039, 0.4388, 0.4563



25.0039, 0.1738, 0.2896



25.0039, 0.3234, 0.2307

Complementary

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



25.0039, 0.4388, 0.4563



7.6379, 0.1850, 0.1440

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.



25.0039, 0.2427, 0.2041



25.0039, 0.4388, 0.4563



25.0039, 0.1666, 0.2282

Square

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



25.0039, 0.4388, 0.4563



25.0039, 0.2139, 0.3821



25.0039, 0.1895, 0.2018



25.0039, 0.4127, 0.2769

Rectangle

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



25.0039, 0.4388, 0.4563



25.0039, 0.3110, 0.4825



25.0039, 0.1895, 0.2018



25.0039, 0.2941, 0.2194

Sweetspot

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



25.0051, 0.4388, 0.4563



58.2051, 0.3483, 0.3712



9.9112, 0.5002, 0.2898



12.8976, 0.3527, 0.3761



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



25.0051, 0.4388, 0.4563



41.4775, 0.4595, 0.4655



31.3214, 0.3764, 0.5095



7.9485, 0.3267, 0.3460



17.3209, 0.4680, 0.4666



0.4299, 0.4473, 0.4831

Inverse Universe

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



7.6379, 0.1850, 0.1440



9.1030, 0.1653, 0.1053



5.6860, 0.1985, 0.1114



7.1226, 0.2987, 0.3114



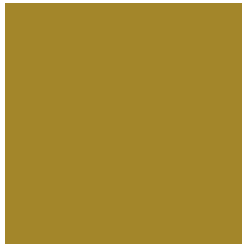
3.2459, 0.1582, 0.0896



0.1360, 0.1765, 0.1555

Previews

White Background



This preview shows how the Yxy color 25.0039, 0.4388, 0.4563 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 25.0039, 0.4388, 0.4563 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 25.0039, 0.4388, 0.4563

Background



This preview shows how black text looks on a background with the Yxy color 25.0039, 0.4388, 0.4563.



This preview shows how white text looks on a background with the Yxy color 25.0039, 0.4388, 0.4563.

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

25.0039, 0.4388, 0.4563

Protanopia

24.9358, 0.4241, 0.4657

Deuteranopia

24.9103, 0.4534, 0.4441



Tritanopia

24.9625, 0.3558, 0.3140

Trichromacy



Original Color

25.0039, 0.4388, 0.4563

Protanomaly

24.9508, 0.4288, 0.4622

Deuteranomaly

24.8420, 0.4487, 0.4474

Tritanomaly

24.5934, 0.3923, 0.3710

Monochromacy



Original Color

25.0039, 0.4388, 0.4563

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

23.5155, 0.3621, 0.3876

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.0039, 0.4388, 0.4563 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(163, 134, 42)` looks like.

```
.text, #text, p{  
    color:rgb(163, 134, 42)  
}
```

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(163, 134, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 134, 42) }
```

Border

The CSS property to change the border of an element to Yxy 25.0039, 0.4388, 0.4563 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(163, 134, 42) }
```

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

```
.border{ border-color:rgb(163, 134, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 134, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 134, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 134, 42);  
box-shadow:4px 4px 4px 4px rgb(163, 134,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 25.0039, 0.4388, 0.4563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 134, 42) }
```

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

```
.background{ background-color: rgb(163,  
134, 42) }
```

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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