

Converting Colors

$Y_{xy}(25.0270, 0.4322, 0.4442)$

Have a look what the booklet for
Yxy(25.0270, 0.4322, 0.4442)
contains.

Yxy(24.9246, 0.4334, 0.4438)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.9246, 0.4334, 0.4438)

Conversions

Conversions Part 1

Format	Color
Hex	A48535
RGB	164, 133, 53
RGB Percent	64%, 52%, 21%
CMY	0.3569, 0.4784, 0.7921
CMYK	0.00, 0.19, 0.68, 0.36
HSL	43°, 51%, 43%
HSV	43°, 68%, 64%
XYZ	24.3405, 24.9246, 6.8967
YIQ	133.1490, 44.1560, -18.3080

Conversions

Conversions Part 2

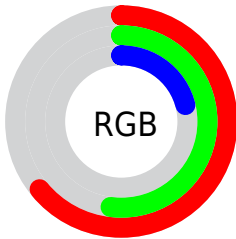
Format	Color
R _Y B	96, 164, 53
Decimal	10782005
CIE Lab	57.00, 2.85, 46.14
CIE LCh	57, 46.229, 86.461
Yxy	24.9246, 0.4334, 0.4438
Android (android.graphics.Color)	4288972085 (0xFFA48535)
YUV	133.1490, -39.5135, 27.0563
Hunter-Lab	49.9245, -0.3410, 26.7568

Details

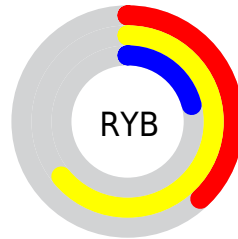
The Yxy color **24.9246, 0.4334, 0.4438** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **9.7790, 0.1971, 0.1700**, and the grayscale version is **23.6482, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.6469, 0.4105, 0.4225**, and **9.5919, 0.4641, 0.4697** is the 20% darker color. If you saturate the color by 10%, you get **23.5728, 0.4501, 0.4532**, and if you desaturate by 10%, it is **26.3852, 0.4150, 0.4307**.

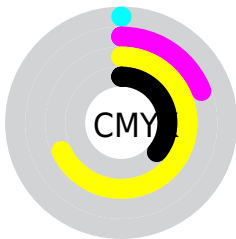
Distribution



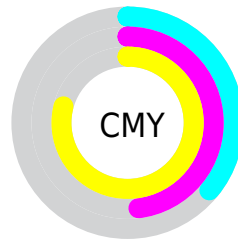
- Red (64%)
- Green (52%)
- Blue (21%)



- Red (38%)
- Yellow (64%)
- Blue (21%)



- Cyan (0%)
- Magenta (19%)
- Yellow (68%)
- Black (36%)




- Cyan (36%)
- Magenta (48%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.9246, 0.4334, 0.4438 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 24.9246, 0.4334, 0.4438 by changing the saturation by 10% instead.


 24.9246, 0.4334,
0.4438


 24.9246, 0.4334,
0.4438


277.4622, 0.3703,
0.3849


 16.0209, 0.4482,
0.4570


 51.5349, 0.4107,
0.4230


 9.5389, 0.4656,
0.4720


 70.0102, 0.4020,
0.4149


 5.0943, 0.4973,
0.4998

 92.4449, 0.3946,
0.4080

 2.3027, 0.5022,
0.4978

 119.2233, 0.3883,
0.4020

 0.7752, 0.5099,
0.4901

 150.7299, 0.3829,
0.3969

 0.0000, 0.0000,
0.0000

 187.3490, 0.3782,

0.3924

229.4649, 0.3740,
0.3884

■ 24.9246, 0.4334,
0.4438

■ 24.9246, 0.4334,
0.4438

■ 23.5728, 0.4501,
0.4532

■ 26.3852, 0.4150,
0.4307

■ 22.3199, 0.4643,
0.4580

■ 27.9564, 0.3959,
0.4148

■ 21.1573, 0.4758,
0.4584

■ 29.6442, 0.3767,
0.3973

■ 20.8967, 0.4784,
0.4583

■ 31.4531, 0.3582,
0.3789

■ 33.3873, 0.3406,
0.3604

■ 35.4506, 0.3243,
0.3423

■ 37.6467, 0.3094,
0.3251

■ 39.9791, 0.2958,
0.3089

■ 42.4510, 0.2837,
0.2938

Harmonies

Analogous

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



24.9246, 0.4683, 0.3899



24.9246, 0.4334, 0.4438



24.9246, 0.3685, 0.4751

Triad

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



24.9246, 0.4334, 0.4438



24.9246, 0.1865, 0.2996



24.9246, 0.3171, 0.2359

Complementary

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



24.9246, 0.4334, 0.4438



9.7790, 0.1971, 0.1700

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.



24.9246, 0.2444, 0.2126



24.9246, 0.4334, 0.4438



24.9246, 0.1771, 0.2402

Square

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



24.9246, 0.4334, 0.4438



24.9246, 0.2266, 0.3836



24.9246, 0.1966, 0.2126



24.9246, 0.3983, 0.2780

Rectangle

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



24.9246, 0.4334, 0.4438



24.9246, 0.3180, 0.4691



24.9246, 0.1966, 0.2126



24.9246, 0.2907, 0.2258

Sweetspot

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



24.9258, 0.4334, 0.4438



59.6319, 0.3452, 0.3653



11.0868, 0.4673, 0.2846



12.8313, 0.3499, 0.3702



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.



24.9258, 0.4334, 0.4438



41.6636, 0.4573, 0.4561



32.3804, 0.3779, 0.4949



7.9012, 0.3268, 0.3451



16.1051, 0.4777, 0.4589



0.4116, 0.4525, 0.4789

Inverse Universe

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



9.7790, 0.1971, 0.1700



12.5010, 0.1763, 0.1324



6.8073, 0.2056, 0.1268



7.1671, 0.2987, 0.3123



3.6131, 0.1606, 0.0981



0.1514, 0.1801, 0.1682

Previews

White Background



This preview shows how the Yxy color 24.9246, 0.4334, 0.4438 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 24.9246, 0.4334, 0.4438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

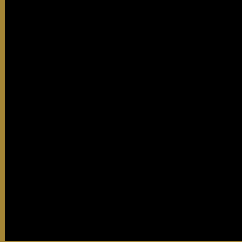
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.9246, 0.4334, 0.4438

Background



This preview shows how black text looks on a background with the Yxy color 24.9246, 0.4334, 0.4438.



This preview shows how white text looks on a background with the Yxy color 24.9246, 0.4334, 0.4438.

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

24.9246, 0.4334, 0.4438

Protanopia

24.9300, 0.4153, 0.4551

Deuteranopia

24.8895, 0.4441, 0.4345



Tritanopia

24.9345, 0.3570, 0.3155

Trichromacy



Original Color

24.9246, 0.4334, 0.4438

Protanomaly

25.0428, 0.4211, 0.4511

Deuteranomaly

24.8238, 0.4395, 0.4376

Tritanomaly

24.7831, 0.3887, 0.3647

Monochromacy



Original Color

24.9246, 0.4334, 0.4438

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.7038, 0.3577, 0.3788

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9246, 0.4334, 0.4438 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(164, 133, 53)` looks like.

```
.text, #text, p{  
    color:rgb(164, 133, 53)  
}
```

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(164, 133, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 133, 53) }
```

Border

The CSS property to change the border of an element to Yxy 24.9246, 0.4334, 0.4438 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(164, 133, 53) }
```

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

```
.border{ border-color:rgb(164, 133, 53) }
```

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

Here you see how a box with a 4 pixel rgb(164, 133, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 133, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 133, 53);  
box-shadow:4px 4px 4px 4px rgb(164, 133,  
53) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9246, 0.4334, 0.4438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 133, 53) }
```

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

```
.background{ background-color: rgb(164,  
133, 53) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor