

# Converting Colors

$Y_{xy}(24.8843, 0.4476, 0.4673)$

Have a look what the booklet for  
Yxy(24.8843, 0.4476, 0.4673)  
contains.

<b>Yxy(24.9113, 0.4472, 0.4678)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

**Color**

**Yxy(24.9113, 0.4472, 0.4678)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A3861A
RGB	163, 134, 26
RGB Percent	64%, 53%, 10%
CMY	0.3608, 0.4745, 0.8983
CMYK	0.00, 0.18, 0.84, 0.36
HSL	47°, 73%, 37%
HSV	47°, 84%, 64%
XYZ	23.8143, 24.9113, 4.5264
YIQ	130.3590, 51.9520, -27.4400

# Conversions

## Conversions Part 2

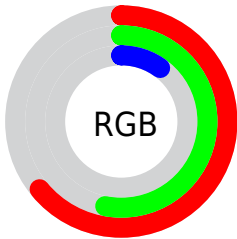
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	63, 163, 26
Decimal	10716698
CIE <sub>Lab</sub>	56.99, 0.61, 56.56
CIE <sub>LCh</sub>	57, 56.563, 89.387
Yxy	24.9113, 0.4472, 0.4678
Android (android.graphics.Color)	4288906778 (0xFFA3861A)
YUV	130.3590, -51.4490, 28.6262
Hunter-Lab	49.9112, -2.1763, 29.5609

# Details

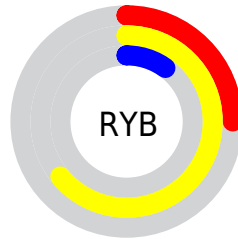
The Yxy color **24.9113, 0.4472, 0.4678** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **5.5878, 0.1704, 0.1134**, and the grayscale version is **22.6274, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.5069, 0.4241, 0.4451**, and **9.6228, 0.4587, 0.4740** is the 20% darker color. If you saturate the color by 10%, you get **23.9218, 0.4569, 0.4709**, and if you desaturate by 10%, it is **25.9756, 0.4347, 0.4602**.

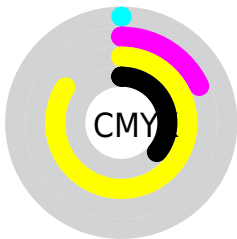
# Distribution



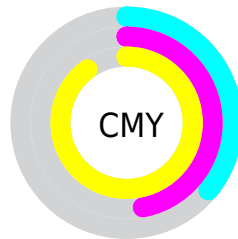
- Red (64%)
- Green (53%)
- Blue (10%)



- Red (25%)
- Yellow (64%)
- Blue (10%)



- Cyan (0%)
- Magenta (18%)
- Yellow (84%)
- Black (36%)




- Cyan (36%)
- Magenta (47%)
- Yellow (90%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 24.9113, 0.4472, 0.4678 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 24.9113, 0.4472, 0.4678 by changing the saturation by 10% instead.





 24.9113, 0.4472,  
0.4678


 24.9113, 0.4472,  
0.4678


277.3959, 0.3800,  
0.3988


 16.0110, 0.4608,  
0.4815

 51.5133, 0.4244,  
0.4444


 9.5319, 0.4764,  
0.4973


 69.9838, 0.4151,  
0.4350

 5.0897, 0.4897,  
0.5103

 92.4131, 0.4071,  
0.4268

 2.3000, 0.4905,  
0.5095

 119.1856, 0.4002,  
0.4196

 0.7737, 0.4923,  
0.5077

 150.6857, 0.3942,  
0.4134

 0.0000, 0.0000,  
0.0000

 187.2979, 0.3889,

0.4079

229.4065, 0.3842,  
0.4031

24.9113, 0.4472,  
0.4678

24.9113, 0.4472,  
0.4678

23.9218, 0.4569,  
0.4709

25.9756, 0.4347,  
0.4602

23.3610, 0.4619,  
0.4714

27.1177, 0.4198,  
0.4484

28.3440, 0.4033,  
0.4331

29.6594, 0.3858,  
0.4153

31.0681, 0.3682,  
0.3960

■ 32.5741, 0.3508,  
0.3760

■ 34.1808, 0.3343,  
0.3561

■ 35.8919, 0.3187,  
0.3367

■ 37.7103, 0.3044,  
0.3182

# Harmonies

## Analogous

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



24.9113, 0.4970, 0.4021



24.9113, 0.4472, 0.4678



24.9113, 0.3665, 0.5087

# Triad

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



24.9113, 0.4472, 0.4678



24.9113, 0.1606, 0.2817



24.9113, 0.3264, 0.2230

# Complementary

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



24.9113, 0.4472, 0.4678



5.5878, 0.1704, 0.1134

# 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.



24.9113, 0.2374, 0.1938



24.9113, 0.4472, 0.4678



24.9113, 0.1543, 0.2166

# Square

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



24.9113, 0.4472, 0.4678



24.9113, 0.2019, 0.3850



24.9113, 0.1796, 0.1901



24.9113, 0.4258, 0.2728



# Rectangle

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



24.9113, 0.4472, 0.4678



24.9113, 0.3064, 0.5006



24.9113, 0.1796, 0.1901



24.9113, 0.2939, 0.2107

# Sweetspot

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



24.9125, 0.4472, 0.4678



57.9610, 0.3532, 0.3788



8.8037, 0.5480, 0.2982



12.8125, 0.3589, 0.3855



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.



24.9125, 0.4472, 0.4678



41.5419, 0.4628, 0.4707



30.5635, 0.3733, 0.5277



7.9818, 0.3266, 0.3466



18.2244, 0.4615, 0.4718



0.4433, 0.4437, 0.4859



# Inverse Universe

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



5.5878, 0.1704, 0.1134



6.5944, 0.1557, 0.0804



4.4960, 0.1878, 0.0924



7.0915, 0.2987, 0.3108



3.0216, 0.1568, 0.0843

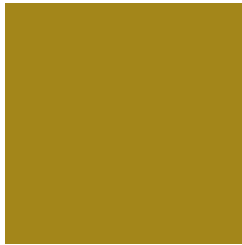


0.1251, 0.1739, 0.1461



# Previews

## White Background



This preview shows how the Yxy color 24.9113, 0.4472, 0.4678 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

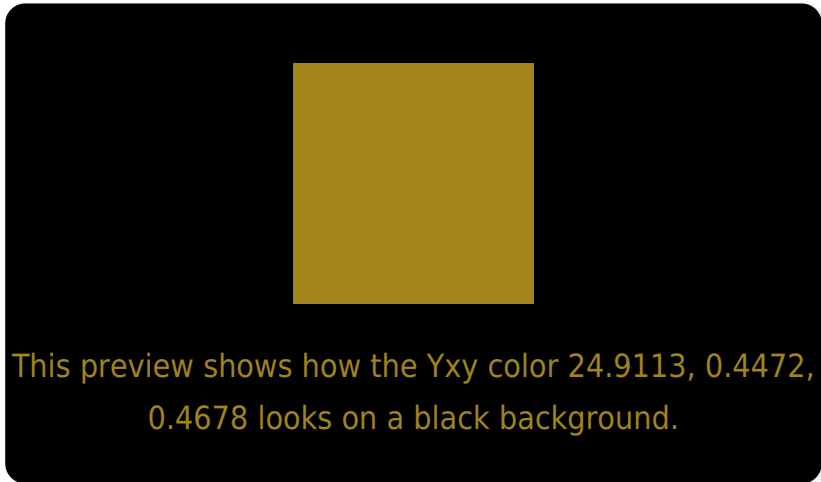
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



## 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 24.9113, 0.4472, 0.4678**

## **Background**



This preview shows how black text looks on a background with the Yxy color 24.9113, 0.4472, 0.4678.

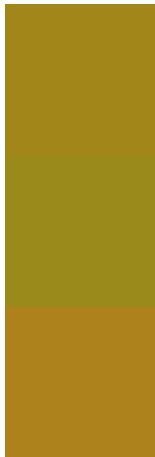


This preview shows how white text looks on a background with the Yxy color 24.9113, 0.4472, 0.4678.

# 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

24.9113, 0.4472, 0.4678

### Protanopia

24.8405, 0.4325, 0.4781

### Deuteranopia

24.9333, 0.4629, 0.4539



## Tritanopia

24.9345, 0.3570, 0.3155

# Trichromacy



## Original Color

24.9113, 0.4472, 0.4678

## Protanomaly

24.8555, 0.4372, 0.4744

## Deuteranomaly

24.7467, 0.4575, 0.4588

## Tritanomaly

24.4801, 0.3994, 0.3801

# Monochromacy



## Original Color

24.9113, 0.4472, 0.4678

## Achromatopsia

22.3228, 0.3127, 0.3290

## Achromatomaly

22.7561, 0.3697, 0.3967

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 24.9113, 0.4472, 0.4678 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, 26)` looks like.

```
.text, #text, p{  
    color:rgb(163, 134, 26)  
}
```

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, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 134, 26) }
```

## Border

The CSS property to change the border of an element to Yxy 24.9113, 0.4472, 0.4678 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, 26) }
```

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

```
.border{ border-color:rgb(163, 134, 26) }
```

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, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 134, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 134, 26);  
box-shadow:4px 4px 4px 4px rgb(163, 134,  
26) }
```



# Background

The CSS property to change the background color of an element to Yxy 24.9113, 0.4472, 0.4678 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, 26) }
```

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

```
.background{ background-color: rgb(163,  
134, 26) }
```

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