

# Converting Colors

$Y_{xy}(25.8466, 0.4326, 0.4741)$

Have a look what the booklet for  
Yxy(25.8466, 0.4326, 0.4741)  
contains.

<b>Yxy(25.8386, 0.4326, 0.4737)</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(25.8386, 0.4326, 0.4737)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9E8B20
RGB	158, 139, 32
RGB Percent	62%, 55%, 13%
CMY	0.3803, 0.4549, 0.8744
CMYK	0.00, 0.12, 0.80, 0.38
HSL	51°, 66%, 37%
HSV	51°, 80%, 62%
XYZ	23.5967, 25.8386, 5.1110
YIQ	132.4830, 45.6710, -29.2490

# Conversions

## Conversions Part 2

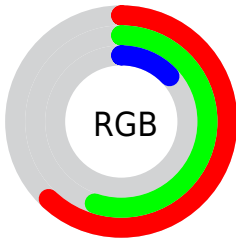
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	54, 158, 32
Decimal	10390304
CIE Lab	57.88, -4.21, 55.24
CIE LCh	58, 55.400, 94.362
Yxy	25.8386, 0.4326, 0.4737
Android (android.graphics.Color)	4288580384 (0xFF9E8B20)
YUV	132.4830, -49.5381, 22.3784
Hunter-Lab	50.8317, -6.0934, 29.6207

# Details

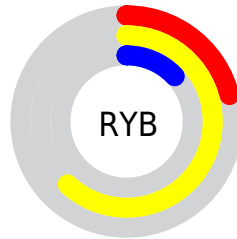
The Yxy color **25.8386, 0.4326, 0.4737** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.1474, 0.1728, 0.1118**, and the grayscale version is **23.4305, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.9701, 0.4130, 0.4479**, and **10.0283, 0.4439, 0.4857** is the 20% darker color. If you saturate the color by 10%, you get **25.0902, 0.4414, 0.4797**, and if you desaturate by 10%, it is **26.6457, 0.4211, 0.4634**.

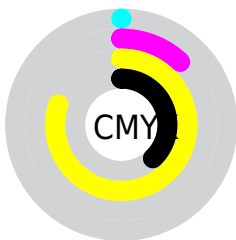
# Distribution



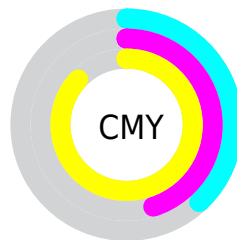
- Red (62%)
- Green (55%)
- Blue (13%)



- Red (21%)
- Yellow (62%)
- Blue (13%)



- Cyan (0%)
- Magenta (12%)
- Yellow (80%)
- Black (38%)




- Cyan (38%)
- Magenta (45%)
- Yellow (87%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 25.8386, 0.4326, 0.4737 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 25.8386, 0.4326, 0.4737 by changing the saturation by 10% instead.





 25.8386, 0.4326,  
0.4737


 25.8386, 0.4326,  
0.4737

281.9889, 0.3733,  
0.3999


 16.7029, 0.4443,  
0.4896


 53.0145, 0.4126,  
0.4480


 10.0229, 0.4567,  
0.5076


 71.8234, 0.4045,  
0.4378

 5.4142, 0.4704,  
0.5296

 94.6256, 0.3975,  
0.4291

 2.4923, 0.4654,  
0.5346

 121.8055, 0.3913,  
0.4216

 0.8728, 0.4543,  
0.5457

 153.7473, 0.3860,  
0.4151

 0.0000, 0.0000,  
0.0000

 190.8356, 0.3812,

0.4094

233.4546, 0.3771,  
0.4044

■ 25.8386, 0.4326,  
0.4737

■ 25.8386, 0.4326,  
0.4737

■ 25.0902, 0.4414,  
0.4797

■ 26.6457, 0.4211,  
0.4634

■ 24.3848, 0.4481,  
0.4822

■ 27.5132, 0.4074,  
0.4491

■ 24.3667, 0.4483,  
0.4822

■ 28.4468, 0.3921,  
0.4317

■ 29.4506, 0.3758,  
0.4122

■ 30.5281, 0.3593,  
0.3913

■ 31.6828, 0.3429,  
0.3700

■ 32.9176, 0.3272,  
0.3489

■ 34.2356, 0.3123,  
0.3285

■ 35.6395, 0.2985,  
0.3091

# Harmonies

## Analogous

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



25.8386, 0.4870, 0.4122



25.8386, 0.4326, 0.4737



25.8386, 0.3514, 0.5041

# Triad

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



25.8386, 0.4326, 0.4737



25.8386, 0.1613, 0.2702



25.8386, 0.3424, 0.2327

# Complementary

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



25.8386, 0.4326, 0.4737



5.1474, 0.1728, 0.1118

# 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.



25.8386, 0.2522, 0.2003



25.8386, 0.4326, 0.4737



25.8386, 0.1603, 0.2133

# Square

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



25.8386, 0.4326, 0.4737



25.8386, 0.1961, 0.3653



25.8386, 0.1902, 0.1924



25.8386, 0.4363, 0.2841



# Rectangle

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



25.8386, 0.4326, 0.4737



25.8386, 0.2928, 0.4867



25.8386, 0.1902, 0.1924



25.8386, 0.3101, 0.2194

# Sweetspot

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



25.8398, 0.4326, 0.4737



56.5118, 0.3506, 0.3801



8.5620, 0.5443, 0.3053



12.5828, 0.3561, 0.3873



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290



# Same Dimension

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



25.8398, 0.4326, 0.4737



44.5120, 0.4466, 0.4814



28.2785, 0.3663, 0.5260



7.5496, 0.3264, 0.3478



19.5558, 0.4480, 0.4825



0.3917, 0.4350, 0.4928



# Inverse Universe

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



5.1474, 0.1728, 0.1118



5.9350, 0.1556, 0.0769



4.9596, 0.2012, 0.1049



6.5889, 0.2988, 0.3094



2.5341, 0.1541, 0.0748

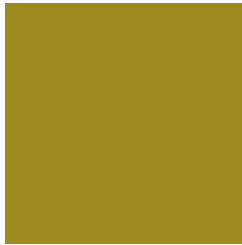


0.0855, 0.1686, 0.1271



# Previews

## White Background



This preview shows how the Yxy color 25.8386, 0.4326, 0.4737 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

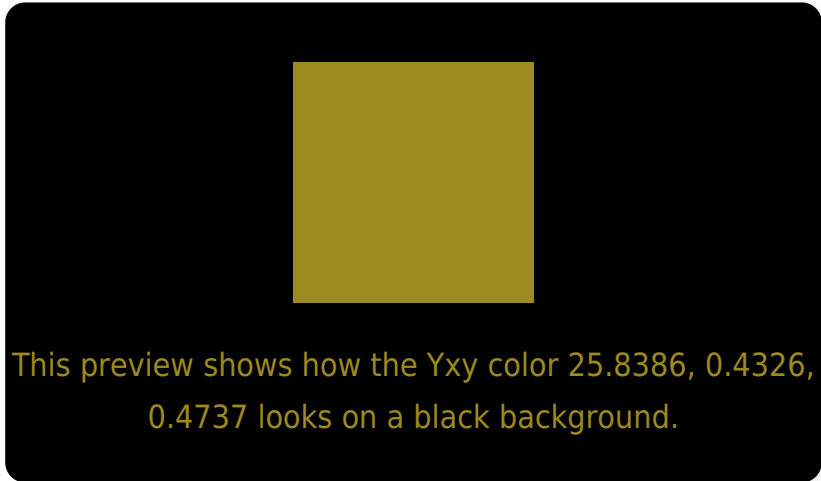
Any Text WCAG AA × Fail

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

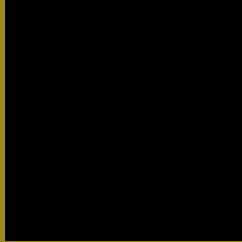
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 25.8386, 0.4326, 0.4737**

## Background



This preview shows how black text looks on a background with the Yxy color 25.8386, 0.4326, 0.4737.



This preview shows how white text looks on a background with the Yxy color 25.8386, 0.4326, 0.4737.

# 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

25.8386, 0.4326, 0.4737

### Protanopia

26.0286, 0.4302, 0.4757

### Deuteranopia

25.7378, 0.4591, 0.4504



## Tritanopia

25.9657, 0.3438, 0.3139

# Trichromacy



## Original Color

25.8386, 0.4326, 0.4737

## Protanomaly

26.0286, 0.4302, 0.4757

## Deuteranomaly

25.8785, 0.4491, 0.4591

## Tritanomaly

25.5012, 0.3845, 0.3794

# Monochromacy



## Original Color

25.8386, 0.4326, 0.4737

## Achromatopsia

23.0740, 0.3127, 0.3290

## Achromatomaly

23.8352, 0.3620, 0.3965

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 25.8386, 0.4326, 0.4737 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(158, 139, 32)` looks like.

```
.text, #text, p{  
    color:rgb(158, 139, 32)  
}
```

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(158, 139, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 139, 32) }
```

## Border

The CSS property to change the border of an element to Yxy 25.8386, 0.4326, 0.4737 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(158, 139, 32) }
```

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

```
.border{ border-color:rgb(158, 139, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 139, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 139, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 139, 32);  
box-shadow:4px 4px 4px 4px rgb(158, 139,  
32) }
```



# Background

The CSS property to change the background color of an element to Yxy 25.8386, 0.4326, 0.4737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 139, 32) }
```

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

```
.background{ background-color: rgb(158,  
139, 32) }
```

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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