

# Converting Colors

$Y_{xy}(9.5614, 0.5773, 0.4227)$

Have a look what the booklet for  
Yxy(9.5614, 0.5773, 0.4227)  
contains.

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# Color

**$Y_{xy}(9.6202, 0.5508, 0.4009)$**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8F4100
RGB	143, 65, 0
RGB Percent	56%, 25%, 0%
CMY	0.4392, 0.7451, 1.0000
CMYK	0.00, 0.55, 1.00, 0.44
HSL	27°, 100%, 28%
HSV	27°, 100%, 56%
XYZ	13.2173, 9.6202, 1.1590
YIQ	80.9120, 67.3530, -3.6790

# Conversions

## Conversions Part 2

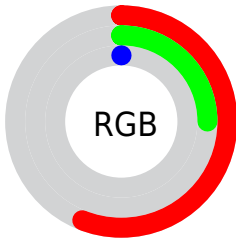
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	143, 119, 0
Decimal	9388288
CIE Lab	37.15, 29.94, 47.65
CIE LCh	37, 56.272, 57.856
Yxy	9.6202, 0.5508, 0.4009
Android (android.graphics.Color)	4287578368 (0xFF8F4100)
YUV	80.9120, -39.8896, 54.4512
Hunter-Lab	31.0164, 21.7868, 19.4959

# Details

The Yxy color **9.6202, 0.5508, 0.4009** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **7.4299, 0.1823, 0.1764**, and the grayscale version is **8.2811, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.2150, 0.4969, 0.3990**, and **2.3322, 0.6052, 0.3576** is the 20% darker color. If you saturate the color by 10%, you get **9.6208, 0.5508, 0.4009**, and if you desaturate by 10%, it is **10.6116, 0.5271, 0.4060**.

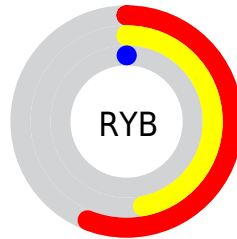
# Distribution



Red (56%)

Green (25%)

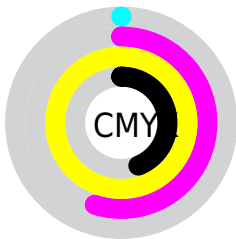
Blue (0%)



Red (56%)

Yellow (47%)

Blue (0%)

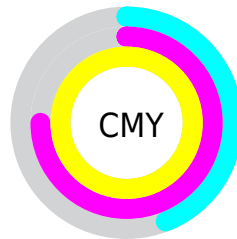


Cyan (0%)

Magenta (55%)

Yellow (100%)

Black (44%)



Cyan (44%)

Magenta (75%)


Yellow (100%)


# Brightness & Saturation Gradients


These gradients show how the Yxy color 9.6202, 0.5508, 0.4009 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 9.6202, 0.5508, 0.4009 by changing the saturation by 10% instead.





 9.6202, 0.5508,  
0.4009


 9.6202, 0.5508,  
0.4009


 187.9395, 0.4107,  
0.3748

 5.1479, 0.5980,  
0.4020

 25.0786, 0.4971,  
0.3984


 2.3343, 0.6271,  
0.3729

 36.8336, 0.4773,  
0.3948


 0.7918, 0.6771,  
0.3229

 51.7848, 0.4610,  
0.3909

 0.0000, 1.0000,  
0.0000

 70.3167, 0.4474,  
0.3872


 0.0000, 0.0000,  
0.0000


 92.8138, 0.4360,  
0.3837


 119.6603, 0.4263,


0.3804

 151.2407, 0.4179,  
0.3775


 9.6202, 0.5508,  
0.4009


 9.6202, 0.5508,  
0.4009


 9.6208, 0.5508,  
0.4009

 10.6116, 0.5271,  
0.4060

 11.7524, 0.5011,  
0.4073

 13.0590, 0.4727,  
0.4039

 14.5395, 0.4439,  
0.3966

 16.2016, 0.4161,  
0.3868

■ 18.0523, 0.3904,  
0.3755

■ 20.0980, 0.3672,  
0.3635

■ 22.3450, 0.3465,  
0.3515

■ 24.7991, 0.3285,  
0.3400

# Harmonies

## Analogous

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



9.6202, 0.5513, 0.3217



9.6202, 0.5508, 0.4009



9.6202, 0.4803, 0.4917

# Triad

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



9.6202, 0.5508, 0.4009



9.6202, 0.1685, 0.4126



9.6202, 0.2085, 0.1583

# Complementary

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



9.6202, 0.5508, 0.4009



7.4299, 0.1823, 0.1764

# 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.



9.6202, 0.1423, 0.1539



9.6202, 0.5508, 0.4009



9.6202, 0.1207, 0.2648

# Square

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



9.6202, 0.5508, 0.4009



9.6202, 0.2617, 0.5541



9.6202, 0.1146, 0.1836



9.6202, 0.3211, 0.1916



# Rectangle

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



9.6202, 0.5508, 0.4009



9.6202, 0.4112, 0.5471



9.6202, 0.1146, 0.1836



9.6202, 0.1815, 0.1535

# Sweetspot

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



9.6208, 0.5508, 0.4009



35.7519, 0.3686, 0.3643



6.3986, 0.4710, 0.2368



7.8734, 0.3771, 0.3688



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290



# Same Dimension

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



9.6208, 0.5508, 0.4009



16.8964, 0.5541, 0.3983



23.4041, 0.4281, 0.4983



5.8026, 0.3271, 0.3390



8.5482, 0.5500, 0.4015



0.1249, 0.4847, 0.4533



# Inverse Universe

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



7.4299, 0.1823, 0.1764



12.9607, 0.1814, 0.1731



2.1382, 0.1512, 0.0642



5.7117, 0.2990, 0.3188



6.6122, 0.1826, 0.1772



0.1073, 0.2026, 0.2494



# Previews

## White Background



This preview shows how the Yxy color 9.6202, 0.5508, 0.4009 looks on a white 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 ✓ Pass



# Black Background



This preview shows how the Yxy color 9.6202, 0.5508, 0.4009 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**Yxy 9.6202, 0.5508, 0.4009**

## **Background**



This preview shows how black text looks on a background with the Yxy color 9.6202, 0.5508, 0.4009.



This preview shows how white text looks on a background with the Yxy color 9.6202, 0.5508, 0.4009.

# 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

9.6202, 0.5508, 0.4009

### Protanopia

9.8831, 0.4320, 0.4797

### Deuteranopia

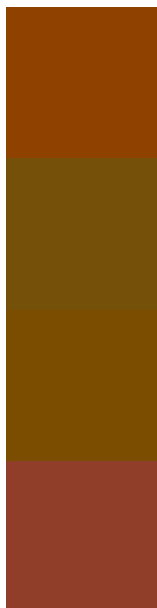
9.7854, 0.4690, 0.4658



## Tritanopia

9.6216, 0.4772, 0.3229

# Trichromacy



**Original Color**  
9.6202, 0.5508, 0.4009

**Protanomaly**  
9.4679, 0.4792, 0.4486

**Deuteranomaly**  
9.5187, 0.5008, 0.4405

**Tritanomaly**  
9.5346, 0.5165, 0.3614

# Monochromacy



**Original Color**  
9.6202, 0.5508, 0.4009

**Achromatopsia**  
8.2283, 0.3127, 0.3290

**Achromatomaly**  
8.2231, 0.4126, 0.3836

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 9.6202, 0.5508, 0.4009 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(143, 65, 0)` looks like.

```
.text, #text, p{  
    color:rgb(143, 65, 0)  
}
```

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(143, 65, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 65, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 9.6202, 0.5508, 0.4009 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(143, 65, 0) }
```

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

```
.border{ border-color:rgb(143, 65, 0) }
```

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

Here you see how a box with a 4 pixel rgb(143, 65, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 65, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 65, 0);  
box-shadow:4px 4px 4px 4px rgb(143, 65, 0)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 9.6202, 0.5508, 0.4009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 65, 0) }
```

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

```
.background{ background-color: rgb(143, 65,  
0) }
```

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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