

Converting Colors

$Y_{xy}(12.3197, 0.5404, 0.4091)$

Have a look what the booklet for
Yxy(12.3197, 0.5404, 0.4091)
contains.

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Color

Yxy(12.3757, 0.5407, 0.4089)

Conversions

Conversions Part 1

Format	Color
Hex	9C4D00
RGB	156, 77, 0
RGB Percent	61%, 30%, 0%
CMY	0.3882, 0.6980, 1.0000
CMYK	0.00, 0.51, 1.00, 0.39
HSL	30°, 100%, 31%
HSV	30°, 100%, 61%
XYZ	16.3647, 12.3757, 1.5254
YIQ	91.8430, 71.8010, -7.1990

Conversions

Conversions Part 2

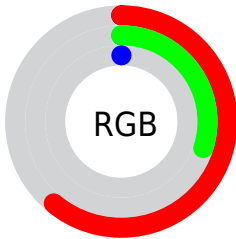
Format	Color
RYB	156, 152, 0
Decimal	10243328
CIELab	41.81, 28.99, 51.45
CIELCh	42, 59.059, 60.602
Yxy	12.3757, 0.5407, 0.4089
Android (android.graphics.Color)	4288433408 (0xFF9C4D00)
YUV	91.8430, -45.2786, 56.2657
Hunter-Lab	35.1791, 21.4718, 22.0545

Details

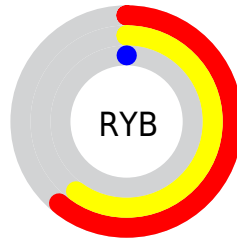
The Yxy color **12.3757, 0.5407, 0.4089** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **7.9926, 0.1784, 0.1620**, and the grayscale version is **10.7588, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0731, 0.4921, 0.4039**, and **3.5252, 0.5842, 0.3743** is the 20% darker color. If you saturate the color by 10%, you get **12.3764, 0.5407, 0.4089**, and if you desaturate by 10%, it is **13.5862, 0.5192, 0.4139**.

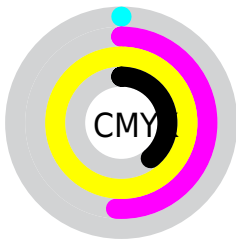
Distribution



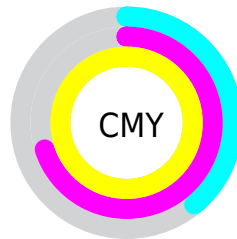
- Red (61%)
- Green (30%)
- Blue (0%)



- Red (61%)
- Yellow (60%)
- Blue (0%)



- Cyan (0%)
- Magenta (51%)
- Yellow (100%)
- Black (39%)




- Cyan (39%)
- Magenta (70%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.3757, 0.5407, 0.4089 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 12.3757, 0.5407, 0.4089 by changing the saturation by 10% instead.


 12.3757, 0.5407,
0.4089


 12.3757, 0.5407,
0.4089


 206.8769, 0.4115,
0.3788


 7.0001, 0.5771,
0.4091


 30.1775, 0.4927,
0.4042


 3.4622, 0.6084,
0.3916

 43.3726, 0.4746,
0.4001


 1.3775, 0.6454,
0.3546

 59.9428, 0.4594,
0.3959

 0.2001, 0.8180,
0.1820

 80.2728, 0.4467,
0.3919


 0.0000, 0.0000,
0.0000


 104.7467, 0.4358,
0.3882


 133.7492, 0.4266,

0.3848

 167.6644, 0.4185,
0.3817


 12.3757, 0.5407,
0.4089


 12.3757, 0.5407,
0.4089

 12.3764, 0.5407,
0.4089

 13.5862, 0.5192,
0.4139

 14.9625, 0.4950,
0.4147

 16.5217, 0.4684,
0.4107

 18.2733, 0.4411,
0.4027

 20.2256, 0.4145,
0.3920

■ 22.3860, 0.3896,
0.3797

■ 24.7618, 0.3668,
0.3666

■ 27.3598, 0.3465,
0.3536

■ 30.1861, 0.3285,
0.3410

Harmonies

Analogous

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



12.3757, 0.5475, 0.3301



12.3757, 0.5407, 0.4089



12.3757, 0.4677, 0.4958

Triad

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



12.3757, 0.5407, 0.4089



12.3757, 0.1668, 0.3950



12.3757, 0.2198, 0.1643

Complementary

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



12.3757, 0.5407, 0.4089



7.9926, 0.1784, 0.1620

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.



12.3757, 0.1507, 0.1574



12.3757, 0.5407, 0.4089



12.3757, 0.1235, 0.2577

Square

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



12.3757, 0.5407, 0.4089



12.3757, 0.2549, 0.5367



12.3757, 0.1203, 0.1834



12.3757, 0.3331, 0.1995

Rectangle

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



12.3757, 0.5407, 0.4089



12.3757, 0.4004, 0.5470



12.3757, 0.1203, 0.1834



12.3757, 0.1919, 0.1587

Sweetspot

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



12.3764, 0.5407, 0.4089



44.7046, 0.3681, 0.3674



7.6565, 0.4862, 0.2452



9.4583, 0.3768, 0.3725



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



12.3764, 0.5407, 0.4089



22.0852, 0.5436, 0.4066



29.9833, 0.4222, 0.5030



7.1597, 0.3272, 0.3401



10.2631, 0.5396, 0.4098



0.2680, 0.4822, 0.4553

Inverse Universe

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



7.9926, 0.1784, 0.1620



14.1213, 0.1775, 0.1588



2.4569, 0.1504, 0.0613



6.9626, 0.2988, 0.3177



6.6527, 0.1787, 0.1633



0.2035, 0.1984, 0.2341

Previews

White Background



This preview shows how the Yxy color 12.3757, 0.5407, 0.4089 looks on a white background.

Color Contrast Check

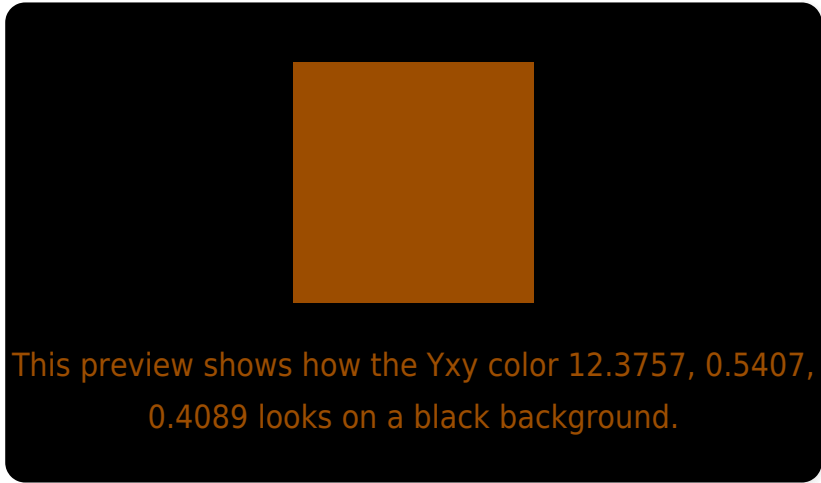
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black 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

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

Yxy 12.3757, 0.5407, 0.4089

Background



This preview shows how black text looks on a background with the Yxy color 12.3757, 0.5407, 0.4089.



This preview shows how white text looks on a background with the Yxy color 12.3757, 0.5407, 0.4089.

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

12.3757, 0.5407, 0.4089

Protanopia

12.5908, 0.4327, 0.4813

Deuteranopia

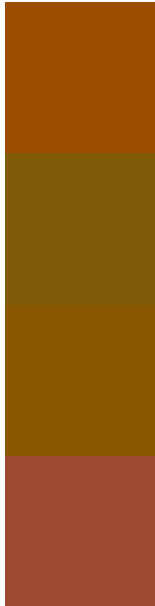
12.4410, 0.4707, 0.4645



Tritanopia

12.4256, 0.4609, 0.3232

Trichromacy



Original Color

12.3757, 0.5407, 0.4089

Protanomaly

12.2632, 0.4734, 0.4543

Deuteranomaly

12.2978, 0.4975, 0.4432

Tritanomaly

12.2791, 0.5050, 0.3672

Monochromacy



Original Color

12.3757, 0.5407, 0.4089

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.7770, 0.4072, 0.3895

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3757, 0.5407, 0.4089 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(156, 77, 0)` looks like.

```
.text, #text, p{  
    color:rgb(156, 77, 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(156, 77, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 77, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.3757, 0.5407, 0.4089 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(156, 77, 0) }
```

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

```
.border{ border-color:rgb(156, 77, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 77, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 77, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 77, 0);  
box-shadow:4px 4px 4px 4px rgb(156, 77, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.3757, 0.5407, 0.4089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 77, 0) }
```

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

```
.background{ background-color: rgb(156, 77,  
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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