

Converting Colors

$Y_{xy}(12.4784, 0.5633, 0.3812)$

Have a look what the booklet for
Yxy(12.4784, 0.5633, 0.3812)
contains.

Yxy(12.4784, 0.5633, 0.3812)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.4784, 0.5633, 0.3812)

Conversions

Conversions Part 1

Format	Color
Hex	A9430D
RGB	169, 67, 13
RGB Percent	66%, 26%, 5%
CMY	0.3373, 0.7372, 0.9491
CMYK	0.00, 0.60, 0.92, 0.34
HSL	21°, 86%, 36%
HSV	21°, 92%, 66%
XYZ	18.4394, 12.4784, 1.8168
YIQ	91.3420, 78.1260, 4.8300

Conversions

Conversions Part 2

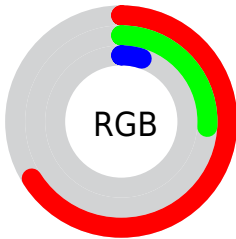
Format	Color
RYB	169, 96, 13
Decimal	11092749
CIELab	41.97, 39.59, 48.84
CIElCh	42, 62.869, 50.967
Yxy	12.4784, 0.5633, 0.3812
Android (android.graphics.Color)	4289282829 (0xFFA9430D)
YUV	91.3420, -38.6226, 68.1061
Hunter-Lab	35.3248, 31.3577, 21.6780

Details

The Yxy color **12.4784, 0.5633, 0.3812** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **15.1978, 0.1966, 0.2222**, and the grayscale version is **10.6215, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3160, 0.5093, 0.3825**, and **3.5391, 0.6243, 0.3425** is the 20% darker color. If you saturate the color by 10%, you get **11.5138, 0.5832, 0.3751**, and if you desaturate by 10%, it is **13.9845, 0.5336, 0.3862**.

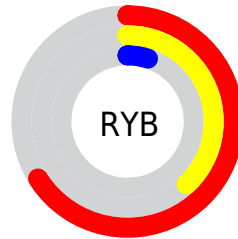
Distribution



Red (66%)

Green (26%)

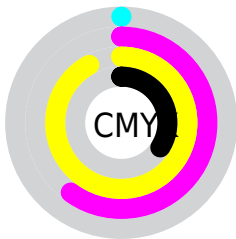
Blue (5%)



Red (66%)

Yellow (38%)

Blue (5%)

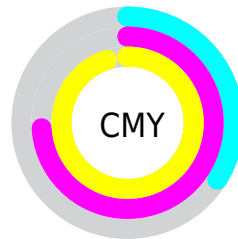


Cyan (0%)

Magenta (60%)

Yellow (92%)

Black (34%)



Cyan (34%)


Magenta (74%)


Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.4784, 0.5633, 0.3812 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 12.4784, 0.5633, 0.3812 by changing the saturation by 10% instead.


 12.4784, 0.5633,
0.3812


 12.4784, 0.5633,
0.3812


207.5472, 0.4195,
0.3684


 7.0704, 0.6022,
0.3746

 30.3635, 0.5089,
0.3833


 3.5061, 0.6455,
0.3545

 43.6093, 0.4887,
0.3817


 1.4013, 0.6902,
0.3098

 60.2365, 0.4720,
0.3795

 0.2177, 0.8485,
0.1515

 80.6295, 0.4580,
0.3772

 0.0000, 1.0000,
0.0000


 105.1727, 0.4461,
0.3748


 0.0000, 0.0000,
0.0000


 134.2504, 0.4360,

0.3725


 168.2471, 0.4272,
0.3704


 12.4784, 0.5633,
0.3812


 12.4784, 0.5633,
0.3812


 11.5138, 0.5832,
0.3751

 13.9845, 0.5336,
0.3862

 15.7999, 0.5001,
0.3864

 17.9439, 0.4658,
0.3826

 20.4335, 0.4328,
0.3758

 23.2844, 0.4027,
0.3673

■ 26.5110, 0.3761,
0.3581

■ 30.1271, 0.3530,
0.3487

■ 34.1456, 0.3332,
0.3396

■ 38.5788, 0.3163,
0.3309

Harmonies

Analogous

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



12.4784, 0.5430, 0.3033



12.4784, 0.5633, 0.3812



12.4784, 0.5024, 0.4706

Triad

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



12.4784, 0.5633, 0.3812



12.4784, 0.1833, 0.4545



12.4784, 0.1869, 0.1518

Complementary

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



12.4784, 0.5633, 0.3812



15.1978, 0.1966, 0.2222

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.



12.4784, 0.1299, 0.1543



12.4784, 0.5633, 0.3812



12.4784, 0.1242, 0.2917

Square

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



12.4784, 0.5633, 0.3812



12.4784, 0.2853, 0.5765



12.4784, 0.1098, 0.1939



12.4784, 0.2906, 0.1790

Rectangle

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



12.4784, 0.5633, 0.3812



12.4784, 0.4364, 0.5319



12.4784, 0.1098, 0.1939



12.4784, 0.1632, 0.1492

Sweetspot

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



12.4791, 0.5633, 0.3812



49.8788, 0.3669, 0.3545



10.0045, 0.4156, 0.2109



10.3070, 0.3769, 0.3584



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



12.4791, 0.5633, 0.3812



20.2711, 0.5863, 0.3727



28.1021, 0.4466, 0.4781



7.9515, 0.3277, 0.3369



8.6747, 0.5813, 0.3766



0.3064, 0.5192, 0.4260

Inverse Universe

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



15.1978, 0.1966, 0.2222



24.8752, 0.1917, 0.2101



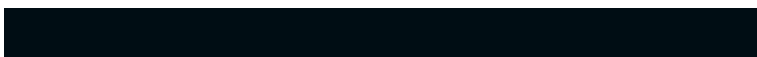
4.3992, 0.1597, 0.0873



8.0880, 0.2987, 0.3210



10.6228, 0.1927, 0.2136



0.3484, 0.2045, 0.2562

Previews

White Background



This preview shows how the Yxy color 12.4784, 0.5633, 0.3812 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



This preview shows how the Yxy color 12.4784, 0.5633, 0.3812 looks on a 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 12.4784, 0.5633, 0.3812

Background



This preview shows how black text looks on a background with the Yxy color 12.4784, 0.5633, 0.3812.



This preview shows how white text looks on a background with the Yxy color 12.4784, 0.5633, 0.3812.

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

12.4784, 0.5633, 0.3812

Protanopia

12.6170, 0.4280, 0.4744

Deuteranopia

12.6200, 0.4688, 0.4660



Tritanopia

12.3846, 0.5049, 0.3242

Trichromacy



Original Color

12.4784, 0.5633, 0.3812

Protanomaly

12.0130, 0.4824, 0.4364

Deuteranomaly

12.2587, 0.5074, 0.4311

Tritanomaly

12.4181, 0.5341, 0.3505

Monochromacy



Original Color

12.4784, 0.5633, 0.3812

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.3154, 0.4126, 0.3694

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4784, 0.5633, 0.3812 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(169, 67, 13)` looks like.

```
.text, #text, p{  
    color:rgb(169, 67, 13)  
}
```

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(169, 67, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 67, 13) }
```

Border

The CSS property to change the border of an element to Yxy 12.4784, 0.5633, 0.3812 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(169, 67, 13) }
```

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

```
.border{ border-color:rgb(169, 67, 13) }
```

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

Here you see how a box with a 4 pixel rgb(169, 67, 13) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 67, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 67, 13);  
box-shadow:4px 4px 4px 4px rgb(169, 67,  
13) }
```


Background

The CSS property to change the background color of an element to Yxy 12.4784, 0.5633, 0.3812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 67, 13) }
```

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

```
.background{ background-color: rgb(169, 67,  
13) }
```

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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