

Converting Colors

$Y_{xy}(12.5462, 0.4384, 0.4451)$

Have a look what the booklet for
Yxy(12.5462, 0.4384, 0.4451)
contains.

Yxy(12.5462, 0.4384, 0.4451)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.5462, 0.4384, 0.4451)

Conversions

Conversions Part 1

Format	Color
Hex	796022
RGB	121, 96, 34
RGB Percent	47%, 38%, 13%
CMY	0.5255, 0.6235, 0.8667
CMYK	0.00, 0.21, 0.72, 0.53
HSL	43°, 56%, 30%
HSV	43°, 72%, 47%
XYZ	12.3573, 12.5462, 3.2838
YIQ	96.4070, 34.8020, -13.9820

Conversions

Conversions Part 2

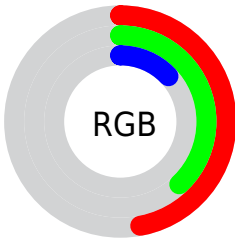
Format	Color
R_{YB}	69, 121, 34
Decimal	7954466
CIE _{Lab}	42.07, 2.99, 37.87
CIE _{LCh}	42, 37.987, 85.484
Yxy	12.5462, 0.4384, 0.4451
Android (android.graphics.Color)	4286144546 (0xFF796022)
YUV	96.4070, -30.7667, 21.5681
Hunter-Lab	35.4206, 0.2880, 19.2977

Details

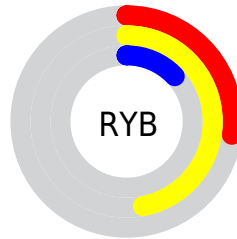
The Yxy color **12.5462, 0.4384, 0.4451** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **4.8494, 0.1940, 0.1658**, and the grayscale version is **11.8720, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3971, 0.4104, 0.4199**, and **3.5833, 0.4732, 0.4625** is the 20% darker color. If you saturate the color by 10%, you get **11.8682, 0.4545, 0.4532**, and if you desaturate by 10%, it is **13.2781, 0.4206, 0.4333**.

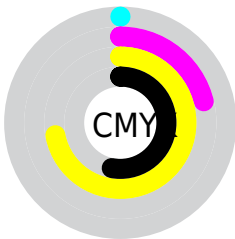
Distribution



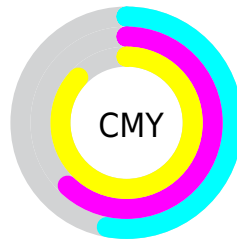
- Red (47%)
- Green (38%)
- Blue (13%)



- Red (27%)
- Yellow (47%)
- Blue (13%)



- Cyan (0%)
- Magenta (21%)
- Yellow (72%)
- Black (53%)



- Cyan (53%)
- Magenta (62%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.5462, 0.4384, 0.4451 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 12.5462, 0.4384, 0.4451 by changing the saturation by 10% instead.

12.5462, 0.4384,
0.4451

12.5462, 0.4384,
0.4451

207.9885, 0.3656,
0.3793

7.1168, 0.4580,
0.4615

30.4861, 0.4101,
0.4201

3.5353, 0.4999,
0.4982

43.7653, 0.3999,
0.4109

1.4172, 0.5056,
0.4944

60.4300, 0.3915,
0.4033

0.2293, 0.5592,
0.4408

80.8645, 0.3845,
0.3969

0.0000, 0.0000,
0.0000

105.4532, 0.3787,
0.3915

134.5805, 0.3737,

0.3868

168.6308, 0.3693,
0.3828

12.5462, 0.4384,
0.4451

12.5462, 0.4384,
0.4451

11.8682, 0.4545,
0.4532

13.2781, 0.4206,
0.4333

11.2392, 0.4681,
0.4569

14.0647, 0.4018,
0.4186

10.7575, 0.4785,
0.4583

14.9091, 0.3829,
0.4020

15.8135, 0.3645,
0.3845

16.7799, 0.3469,
0.3666

■ 17.8102, 0.3305,
0.3490

■ 18.9061, 0.3154,
0.3321

■ 20.0695, 0.3017,
0.3161

■ 21.3020, 0.2893,
0.3011

Harmonies

Analogous

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



12.5462, 0.4735, 0.3890



12.5462, 0.4384, 0.4451



12.5462, 0.3721, 0.4795

Triad

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



12.5462, 0.4384, 0.4451



12.5462, 0.1837, 0.3008



12.5462, 0.3143, 0.2322

Complementary

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



12.5462, 0.4384, 0.4451



4.8494, 0.1940, 0.1658

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.



12.5462, 0.2402, 0.2091



12.5462, 0.4384, 0.4451



12.5462, 0.1733, 0.2388

Square

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



12.5462, 0.4384, 0.4451



12.5462, 0.2256, 0.3883



12.5462, 0.1923, 0.2098



12.5462, 0.3985, 0.2747

Rectangle

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



12.5462, 0.4384, 0.4451



12.5462, 0.3203, 0.4751



12.5462, 0.1923, 0.2098



12.5462, 0.2873, 0.2221

Sweetspot

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



12.5468, 0.4384, 0.4451



29.9297, 0.3480, 0.3678



5.5369, 0.4713, 0.2813



6.7589, 0.3516, 0.3715



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



12.5468, 0.4384, 0.4451



20.5371, 0.4633, 0.4560



16.7109, 0.3810, 0.4979



4.4485, 0.3261, 0.3442



11.5077, 0.4787, 0.4581



53.3808, 0.4826, 0.4550

Inverse Universe

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



4.8494, 0.1940, 0.1658



6.0041, 0.1732, 0.1269



3.2392, 0.1998, 0.1196



4.0639, 0.2994, 0.3133



2.7357, 0.1618, 0.1023



11.7633, 0.1594, 0.0938

Previews

White Background



This preview shows how the Yxy color 12.5462, 0.4384, 0.4451 looks on a white background.

Color Contrast Check

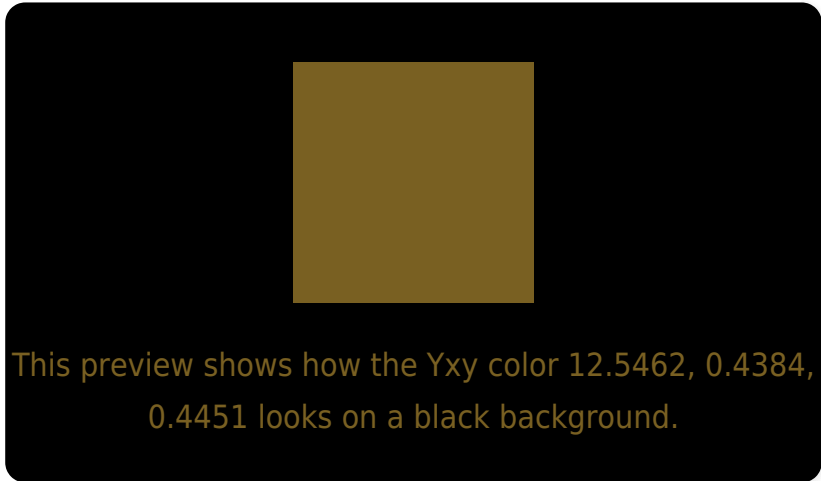
Large Text (above 18pt) WCAG AA ✓ Pass

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

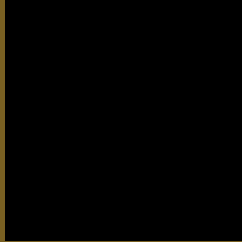
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.5462, 0.4384, 0.4451

Background



This preview shows how black text looks on a background with the Yxy color 12.5462, 0.4384, 0.4451.



This preview shows how white text looks on a background with the Yxy color 12.5462, 0.4384, 0.4451.

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

12.5462, 0.4384, 0.4451

Protanopia

12.6152, 0.4158, 0.4595

Deuteranopia

12.5850, 0.4446, 0.4408



Tritanopia

12.5354, 0.3587, 0.3151

Trichromacy



Original Color

12.5462, 0.4384, 0.4451

Protanomaly

12.6899, 0.4236, 0.4542

Deuteranomaly

12.5109, 0.4430, 0.4417

Tritanomaly

12.4338, 0.3936, 0.3659

Monochromacy



Original Color

12.5462, 0.4384, 0.4451

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.8500, 0.3609, 0.3815

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5462, 0.4384, 0.4451 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(121, 96, 34)` looks like.

```
.text, #text, p{  
    color:rgb(121, 96, 34)  
}
```

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(121, 96, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 96, 34) }
```

Border

The CSS property to change the border of an element to Yxy 12.5462, 0.4384, 0.4451 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(121, 96, 34) }
```

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

```
.border{ border-color:rgb(121, 96, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 96, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 96, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 96, 34);  
box-shadow:4px 4px 4px 4px rgb(121, 96,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 12.5462, 0.4384, 0.4451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 96, 34) }
```

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

```
.background{ background-color: rgb(121, 96,  
34) }
```

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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