

Converting Colors

$Y_{xy}(12.1295, 0.4491, 0.4434)$

Have a look what the booklet for
Yxy(12.1295, 0.4491, 0.4434)
contains.

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Color

Yxy(12.1334, 0.4500, 0.4433)

Conversions

Conversions Part 1

Format	Color
Hex	7B5D1E
RGB	123, 93, 30
RGB Percent	48%, 36%, 12%
CMY	0.5177, 0.6353, 0.8824
CMYK	0.00, 0.24, 0.76, 0.52
HSL	41°, 61%, 30%
HSV	41°, 76%, 48%
XYZ	12.3168, 12.1334, 2.9204
YIQ	94.7880, 38.1030, -13.2330

Conversions

Conversions Part 2

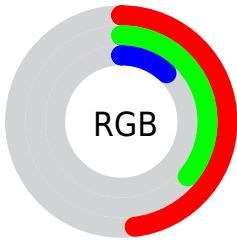
Format	Color
R_{YB}	74, 123, 30
Decimal	8084766
CIE _{Lab}	41.43, 5.49, 39.14
CIE _{LCh}	41, 39.528, 82.018
Yxy	12.1334, 0.4500, 0.4433
Android (android.graphics.Color)	4286274846 (0xFF7B5D1E)
YUV	94.7880, -31.9405, 24.7419
Hunter-Lab	34.8330, 2.1589, 19.4122

Details

The Yxy color **12.1334, 0.4500, 0.4433** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **4.9361, 0.1905, 0.1643**, and the grayscale version is **11.4615, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.6600, 0.4187, 0.4202**, and **3.3726, 0.4854, 0.4528** is the 20% darker color. If you saturate the color by 10%, you get **11.4046, 0.4667, 0.4492**, and if you desaturate by 10%, it is **12.9241, 0.4313, 0.4334**.

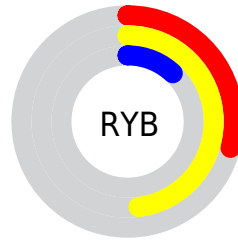
Distribution



Red (48%)

Green (36%)

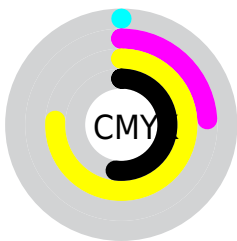
Blue (12%)



Red (29%)

Yellow (48%)

Blue (12%)

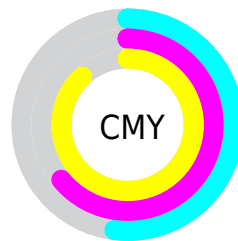


Cyan (0%)

Magenta (24%)

Yellow (76%)

Black (52%)



Cyan (52%)


Magenta (64%)

Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.1334, 0.4500, 0.4433 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 12.1334, 0.4500, 0.4433 by changing the saturation by 10% instead.


 12.1334, 0.4500,
0.4433


 12.1334, 0.4500,
0.4433


205.2864, 0.3702,
0.3796

 6.8346, 0.4713,
0.4580


 29.7378, 0.4189,
0.4197


 3.3589, 0.5124,
0.4876

 42.8123, 0.4077,
0.4108


 1.3218, 0.5213,
0.4787

 59.2473, 0.3986,
0.4033

 0.1580, 0.6427,
0.3573

 79.4275, 0.3909,
0.3970

 0.0000, 0.0000,
0.0000

 103.7370, 0.3845,
0.3917

 132.5605, 0.3790,

0.3871

166.2821, 0.3743,
0.3831

12.1334, 0.4500,
0.4433

12.1334, 0.4500,
0.4433

11.4046, 0.4667,
0.4492

12.9241, 0.4313,
0.4334

10.7309, 0.4811,
0.4508

13.7780, 0.4116,
0.4203

10.4483, 0.4874,
0.4512

14.6984, 0.3917,
0.4049

15.6878, 0.3723,
0.3883

16.7486, 0.3539,
0.3713

■ 17.8829, 0.3367,
0.3543

■ 19.0928, 0.3209,
0.3379

■ 20.3803, 0.3066,
0.3223

■ 21.7471, 0.2937,
0.3076

Harmonies

Analogous

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



12.1334, 0.4825, 0.3832



12.1334, 0.4500, 0.4433



12.1334, 0.3830, 0.4850

Triad

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



12.1334, 0.4500, 0.4433



12.1334, 0.1813, 0.3084



12.1334, 0.3041, 0.2242

Complementary

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



12.1334, 0.4500, 0.4433



4.9361, 0.1905, 0.1643

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.



12.1334, 0.2294, 0.2028



12.1334, 0.4500, 0.4433



12.1334, 0.1671, 0.2398

Square

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



12.1334, 0.4500, 0.4433



12.1334, 0.2282, 0.4025



12.1334, 0.1833, 0.2063



12.1334, 0.3930, 0.2662

Rectangle

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



12.1334, 0.4500, 0.4433



12.1334, 0.3293, 0.4864



12.1334, 0.1833, 0.2063



12.1334, 0.2765, 0.2145

Sweetspot

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



12.1340, 0.4500, 0.4433



30.3993, 0.3502, 0.3678



5.4758, 0.4756, 0.2749



7.0177, 0.3557, 0.3730



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



12.1340, 0.4500, 0.4433



19.4970, 0.4777, 0.4505



17.4158, 0.3869, 0.5014



4.4263, 0.3262, 0.3435



10.7990, 0.4875, 0.4511



49.9197, 0.4920, 0.4475

Inverse Universe

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



4.9361, 0.1905, 0.1643



6.0602, 0.1705, 0.1246



2.9273, 0.1898, 0.1080



4.0851, 0.2994, 0.3141



3.0169, 0.1641, 0.1108



13.0031, 0.1617, 0.1020

Previews

White Background



This preview shows how the Yxy color 12.1334, 0.4500, 0.4433 looks on a white background.

Color Contrast Check

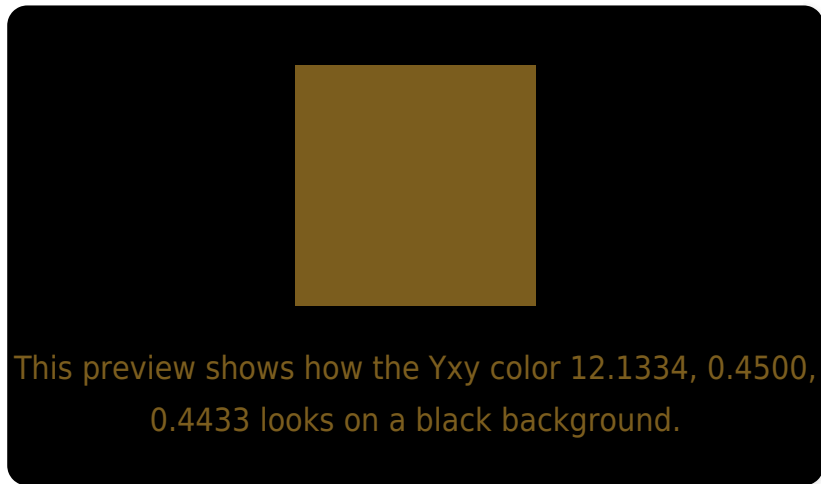
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.1334, 0.4500, 0.4433

Background



This preview shows how black text looks on a background with the Yxy color 12.1334, 0.4500, 0.4433.



This preview shows how white text looks on a background with the Yxy color 12.1334, 0.4500, 0.4433.

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

12.1334, 0.4500, 0.4433

Protanopia

12.1493, 0.4207, 0.4628

Deuteranopia

12.1334, 0.4500, 0.4433



Tritanopia

12.1366, 0.3683, 0.3152

Trichromacy



Original Color

12.1334, 0.4500, 0.4433

Protanomaly

12.1095, 0.4317, 0.4546

Deuteranomaly

12.1334, 0.4500, 0.4433

Tritanomaly

12.0353, 0.4043, 0.3655

Monochromacy



Original Color

12.1334, 0.4500, 0.4433

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.4636, 0.3652, 0.3818

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1334, 0.4500, 0.4433 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(123, 93, 30)` looks like.

```
.text, #text, p{  
    color:rgb(123, 93, 30)  
}
```

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(123, 93, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 93, 30) }
```

Border

The CSS property to change the border of an element to Yxy 12.1334, 0.4500, 0.4433 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(123, 93, 30) }
```

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

```
.border{ border-color:rgb(123, 93, 30) }
```

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

Here you see how a box with a 4 pixel rgb(123, 93, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 93, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 93, 30);  
box-shadow:4px 4px 4px 4px rgb(123, 93,  
30) }
```


Background

The CSS property to change the background color of an element to Yxy 12.1334, 0.4500, 0.4433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 93, 30) }
```

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

```
.background{ background-color: rgb(123, 93,  
30) }
```

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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