

Converting Colors

$Y_{xy}(12.9908, 0.4342, 0.4253)$

Have a look what the booklet for
Yxy(12.9908, 0.4342, 0.4253)
contains.

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Color

Yxy(12.9908, 0.4342, 0.4253)

Conversions

Conversions Part 1

Format	Color
Hex	7E602D
RGB	126, 96, 45
RGB Percent	49%, 38%, 18%
CMY	0.5058, 0.6235, 0.8235
CMYK	0.00, 0.24, 0.64, 0.51
HSL	38°, 47%, 34%
HSV	38°, 64%, 49%
XYZ	13.2627, 12.9908, 4.2916
YIQ	99.1560, 34.2510, -9.5010

Conversions

Conversions Part 2

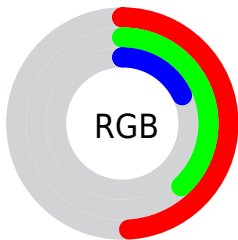
Format	Color
RYB	93, 126, 45
Decimal	8282157
CIELab	42.75, 6.11, 33.23
CIElCh	43, 33.785, 79.583
Yxy	12.9908, 0.4342, 0.4253
Android (android.graphics.Color)	4286472237 (0xFF7E602D)
YUV	99.1560, -26.6989, 23.5422
Hunter-Lab	36.0428, 2.6078, 18.1703

Details

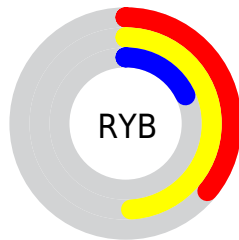
The Yxy color **12.9908, 0.4342, 0.4253** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **7.1007, 0.2093, 0.2018**, and the grayscale version is **12.5817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1718, 0.4056, 0.4038**, and **3.7371, 0.4827, 0.4550** is the 20% darker color. If you saturate the color by 10%, you get **12.0815, 0.4550, 0.4348**, and if you desaturate by 10%, it is **13.9810, 0.4127, 0.4127**.

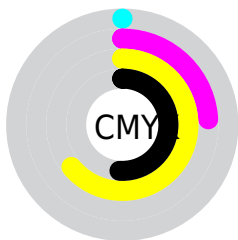
Distribution



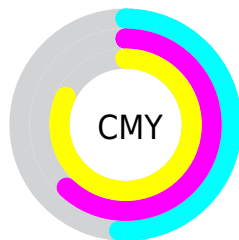
- Red (49%)
- Green (38%)
- Blue (18%)



- Red (36%)
- Yellow (49%)
- Blue (18%)



- Cyan (0%)
- Magenta (24%)
- Yellow (64%)
- Black (51%)





- Cyan (51%)
- Magenta (62%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9908, 0.4342, 0.4253 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 12.9908, 0.4342, 0.4253 by changing the saturation by 10% instead.

 12.9908, 0.4342,
0.4253


 12.9908, 0.4342,
0.4253


210.8587, 0.3627,
0.3709


 7.4222, 0.4550,
0.4393


 31.2873, 0.4057,
0.4046


 3.7275, 0.4876,
0.4606

 44.7839, 0.3957,
0.3970

 1.5223, 0.5234,
0.4766

 61.6920, 0.3875,
0.3907

 0.3044, 0.5902,
0.4098

 82.3961, 0.3808,
0.3854

 0.0000, 0.0000,
0.0000

 107.2803, 0.3752,
0.3810

 136.7293, 0.3704,

0.3771

171.1273, 0.3663,
0.3738

■ 12.9908, 0.4342,
0.4253

■ 12.9908, 0.4342,
0.4253

■ 12.0815, 0.4550,
0.4348

■ 13.9810, 0.4127,
0.4127

■ 11.2476, 0.4741,
0.4403

■ 15.0535, 0.3915,
0.3981

■ 10.4852, 0.4908,
0.4412

■ 16.2116, 0.3712,
0.3824

■ 10.0748, 0.5002,
0.4410

■ 17.4583, 0.3522,
0.3664

■ 18.7960, 0.3348,
0.3505

■ 20.2272, 0.3190,
0.3353

■ 21.7542, 0.3048,
0.3209

■ 23.3792, 0.2921,
0.3074

■ 25.1043, 0.2808,
0.2949

Harmonies

Analogous

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



12.9908, 0.4564, 0.3744



12.9908, 0.4342, 0.4253



12.9908, 0.3801, 0.4588

Triad

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



12.9908, 0.4342, 0.4253



12.9908, 0.2028, 0.3193



12.9908, 0.3004, 0.2364

Complementary

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



12.9908, 0.4342, 0.4253



7.1007, 0.2093, 0.2018

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.



12.9908, 0.2379, 0.2195



12.9908, 0.4342, 0.4253



12.9908, 0.1872, 0.2583

Square

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



12.9908, 0.4342, 0.4253



12.9908, 0.2467, 0.3958



12.9908, 0.1992, 0.2255



12.9908, 0.3745, 0.2722

Rectangle

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



12.9908, 0.4342, 0.4253



12.9908, 0.3348, 0.4599



12.9908, 0.1992, 0.2255



12.9908, 0.2774, 0.2285

Sweetspot

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



12.9914, 0.4342, 0.4253



31.8410, 0.3436, 0.3586



6.8368, 0.4292, 0.2704



7.1171, 0.3478, 0.3624



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.



12.9914, 0.4342, 0.4253



20.5815, 0.4639, 0.4379



18.8674, 0.3861, 0.4788



4.7598, 0.3264, 0.3426



10.3247, 0.5003, 0.4410



0.0000, 0.0000, 0.0000

Inverse Universe

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



7.1007, 0.2093, 0.2018



9.4117, 0.1891, 0.1681



4.1810, 0.2039, 0.1364



4.4525, 0.2993, 0.3151



3.5984, 0.1676, 0.1233



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 12.9908, 0.4342, 0.4253 looks on a white background.

Color Contrast Check

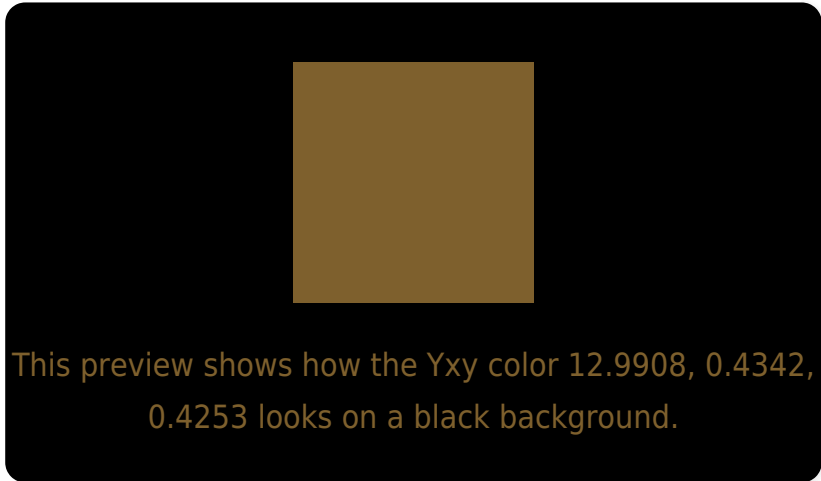
Large Text (above 18pt) WCAG AA ✓ Pass

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

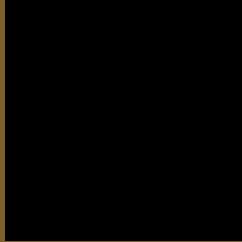
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.9908, 0.4342, 0.4253

Background



This preview shows how black text looks on a background with the Yxy color 12.9908, 0.4342, 0.4253.



This preview shows how white text looks on a background with the Yxy color 12.9908, 0.4342, 0.4253.

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

12.9908, 0.4342, 0.4253

Protanopia

12.9573, 0.4034, 0.4411

Deuteranopia

12.9152, 0.4326, 0.4261



Tritanopia

12.9212, 0.3668, 0.3155

Trichromacy



Original Color

12.9908, 0.4342, 0.4253

Protanomaly

12.9028, 0.4149, 0.4356

Deuteranomaly

12.9152, 0.4326, 0.4261

Tritanomaly

12.8715, 0.3952, 0.3569

Monochromacy



Original Color

12.9908, 0.4342, 0.4253

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.5511, 0.3574, 0.3711

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9908, 0.4342, 0.4253 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(126, 96, 45)` looks like.

```
.text, #text, p{  
    color:rgb(126, 96, 45)  
}
```

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(126, 96, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 96, 45) }
```

Border

The CSS property to change the border of an element to Yxy 12.9908, 0.4342, 0.4253 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(126, 96, 45) }
```

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

```
.border{ border-color:rgb(126, 96, 45) }
```

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

Here you see how a box with a 4 pixel rgb(126, 96, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 96, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 96, 45);  
box-shadow:4px 4px 4px 4px rgb(126, 96,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9908, 0.4342, 0.4253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 96, 45) }
```

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

```
.background{ background-color: rgb(126, 96,  
45) }
```

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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