

Converting Colors

$Y_{xy}(12.8742, 0.4560, 0.5306)$

Have a look what the booklet for
Yxy(12.8742, 0.4560, 0.5306)
contains.

Yxy(13.0800, 0.4319, 0.4953)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.0800, 0.4319, 0.4953)

Conversions

Conversions Part 1

Format	Color
Hex	6F6700
RGB	111, 103, 0
RGB Percent	44%, 40%, 0%
CMY	0.5647, 0.5961, 1.0000
CMYK	0.00, 0.07, 1.00, 0.56
HSL	56°, 100%, 22%
HSV	56°, 100%, 44%
XYZ	11.4057, 13.0800, 1.9225
YIQ	93.6500, 37.8310, -30.3370

Conversions

Conversions Part 2

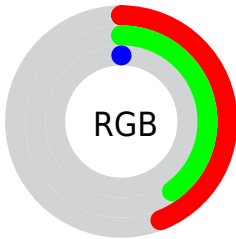
Format	Color
R_YB	9, 111, 0
Decimal	7300864
CIE Lab	42.88, -7.19, 49.44
CIE LCh	43, 49.963, 98.270
Yxy	13.0800, 0.4319, 0.4953
Android (android.graphics.Color)	4285490944 (0xFF6F6700)
YUV	93.6500, -46.1695, 15.2159
Hunter-Lab	36.1663, -6.9977, 22.1647

Details

The Yxy color **13.0800, 0.4319, 0.4953** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.3213, 0.1523, 0.0681**, and the grayscale version is **11.2112, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5444, 0.4100, 0.4603**, and **3.8561, 0.4245, 0.5011** is the 20% darker color. If you saturate the color by 10%, you get **13.0807, 0.4319, 0.4953**, and if you desaturate by 10%, it is **13.2649, 0.4264, 0.4898**.

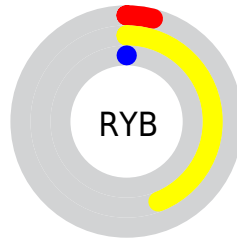
Distribution



Red (44%)

Green (40%)

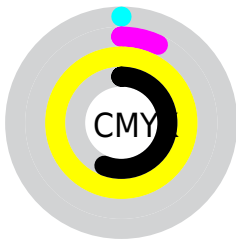
Blue (0%)



Red (4%)

Yellow (44%)

Blue (0%)

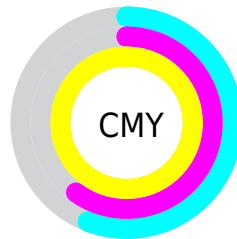


Cyan (0%)

Magenta (7%)

Yellow (100%)

Black (56%)



Cyan (56%)


Magenta (60%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.0800, 0.4319, 0.4953 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 13.0800, 0.4319, 0.4953 by changing the saturation by 10% instead.


 13.0800, 0.4319,
0.4953


 13.0800, 0.4319,
0.4953


 211.4297, 0.3687,
0.4013


 7.4837, 0.4451,
0.5197


 31.4474, 0.4104,
0.4604


 3.7664, 0.4546,
0.5454

 44.9873, 0.4015,
0.4472

 1.5438, 0.4430,
0.5570

 61.9438, 0.3939,
0.4361

 0.3192, 0.2862,
0.7138


 82.7014, 0.3874,
0.4269


 0.0000, 0.0000,
0.0000


 107.6443, 0.3817,
0.4190


 137.1571, 0.3768,


0.4122


 171.6241, 0.3725,
0.4064

 13.0800, 0.4319,
0.4953


 13.0800, 0.4319,
0.4953


 13.0807, 0.4319,
0.4953

 13.2649, 0.4264,
0.4898

 13.4606, 0.4195,
0.4820

 13.6764, 0.4102,
0.4704

 13.9142, 0.3988,
0.4551

 14.1760, 0.3857,
0.4369

■ 14.4633, 0.3715,
0.4166

■ 14.7777, 0.3566,
0.3949

■ 15.1205, 0.3416,
0.3726

■ 15.4929, 0.3269,
0.3505

Harmonies

Analogous

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



13.0800, 0.4999, 0.4259



13.0800, 0.4319, 0.4953



13.0800, 0.3396, 0.5277

Triad

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



13.0800, 0.4319, 0.4953



13.0800, 0.1438, 0.2504



13.0800, 0.3598, 0.2287

Complementary

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



13.0800, 0.4319, 0.4953



1.3213, 0.1523, 0.0681

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.



13.0800, 0.2560, 0.1907



13.0800, 0.4319, 0.4953



13.0800, 0.1478, 0.1951

Square

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



13.0800, 0.4319, 0.4953



13.0800, 0.1751, 0.3530



13.0800, 0.1841, 0.1781



13.0800, 0.4639, 0.2861

Rectangle

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



13.0800, 0.4319, 0.4953



13.0800, 0.2754, 0.5020



13.0800, 0.1841, 0.1781



13.0800, 0.3228, 0.2135

Sweetspot

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



13.0807, 0.4319, 0.4953



26.4139, 0.3578, 0.3967



3.3998, 0.6244, 0.3214



6.3006, 0.3627, 0.4038



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



13.0807, 0.4319, 0.4953



23.3455, 0.4322, 0.4950



12.4843, 0.3515, 0.5591



3.8771, 0.3254, 0.3483



15.3983, 0.4320, 0.4952



76.1699, 0.4328, 0.4946

Inverse Universe

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



1.3213, 0.1523, 0.0681



2.2826, 0.1517, 0.0659



1.7344, 0.1917, 0.0830



3.3356, 0.2996, 0.3089



1.5399, 0.1521, 0.0674



7.1639, 0.1510, 0.0634

Previews

White Background



This preview shows how the Yxy color 13.0800, 0.4319, 0.4953 looks on a white background.

Color Contrast Check

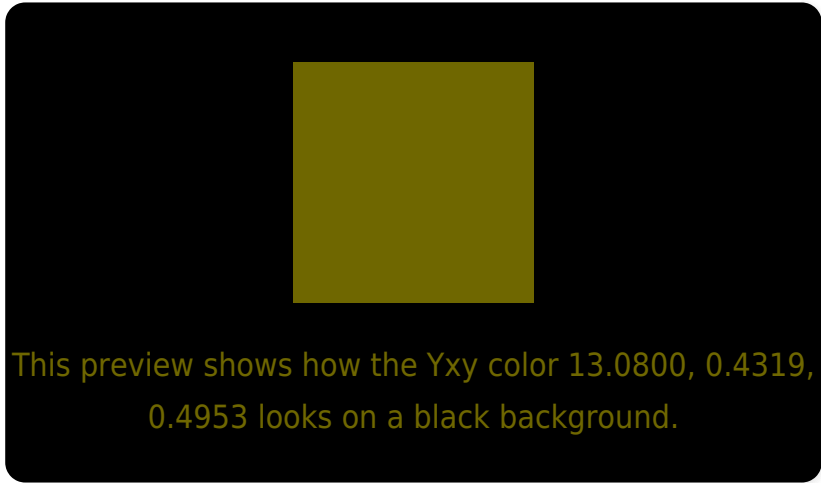
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.0800, 0.4319, 0.4953

Background



This preview shows how black text looks on a background with the Yxy color 13.0800, 0.4319, 0.4953.

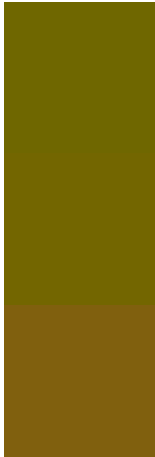


This preview shows how white text looks on a background with the Yxy color 13.0800, 0.4319, 0.4953.

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

13.0800, 0.4319, 0.4953

Protanopia

13.1476, 0.4397, 0.4891

Deuteranopia

12.9866, 0.4639, 0.4576



Tritanopia

13.1269, 0.3348, 0.3146

Trichromacy



Original Color

13.0800, 0.4319, 0.4953

Protanomaly

13.0801, 0.4382, 0.4903

Deuteranomaly

13.0810, 0.4519, 0.4715

Tritanomaly

12.9619, 0.3854, 0.3991

Monochromacy



Original Color

13.0800, 0.4319, 0.4953

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.5850, 0.3709, 0.4153

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0800, 0.4319, 0.4953 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(111, 103, 0)` looks like.

```
.text, #text, p{  
    color:rgb(111, 103, 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(111, 103, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 103, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.0800, 0.4319, 0.4953 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(111, 103, 0) }
```

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

```
.border{ border-color:rgb(111, 103, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 103, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 103, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 103, 0);  
box-shadow:4px 4px 4px 4px rgb(111, 103,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0800, 0.4319, 0.4953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 103, 0) }
```

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

```
.background{ background-color: rgb(111,  
103, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor