

Converting Colors

$Y_{xy}(13.4294, 0.5096, 0.4303)$

Have a look what the booklet for
Yxy(13.4294, 0.5096, 0.4303)
contains.

Yxy(13.3778, 0.5108, 0.4296)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(13.3778, 0.5108, 0.4296)

Conversions

Conversions Part 1

Format	Color
Hex	955804
RGB	149, 88, 4
RGB Percent	58%, 35%, 2%
CMY	0.4157, 0.6549, 0.9847
CMYK	0.00, 0.41, 0.97, 0.42
HSL	35°, 95%, 30%
HSV	35°, 97%, 58%
XYZ	15.9064, 13.3778, 1.8560
YIQ	96.6630, 63.3200, -13.1920

Conversions

Conversions Part 2

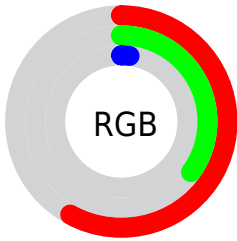
Format	Color
R_{YB}	109, 149, 4
Decimal	9787396
CIE _{Lab}	43.33, 19.82, 50.82
CIE _{LCh}	43, 54.544, 68.695
Yxy	13.3778, 0.5108, 0.4296
Android (android.graphics.Color)	4287977476 (0xFF955804)
YUV	96.6630, -45.6829, 45.8995
Hunter-Lab	36.5757, 13.6204, 22.5944

Details

The Yxy color **13.3778, 0.5108, 0.4296** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.9657, 0.1731, 0.1403**, and the grayscale version is **11.9676, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.9238, 0.4695, 0.4170**, and **3.9312, 0.5429, 0.4072** is the 20% darker color. If you saturate the color by 10%, you get **13.1031, 0.5155, 0.4289**, and if you desaturate by 10%, it is **14.4894, 0.4928, 0.4317**.

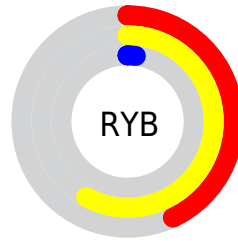
Distribution



Red (58%)

Green (35%)

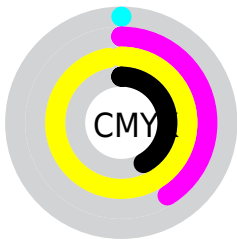
Blue (2%)



Red (43%)

Yellow (58%)

Blue (2%)

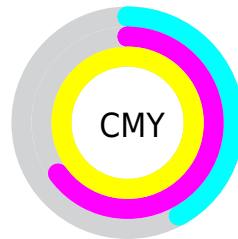


Cyan (0%)

Magenta (41%)

Yellow (97%)

Black (42%)



Cyan (42%)


Magenta (65%)

Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.3778, 0.5108, 0.4296 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 13.3778, 0.5108, 0.4296 by changing the saturation by 10% instead.


 13.3778, 0.5108,
0.4296


 13.3778, 0.5108,
0.4296


 213.3249, 0.3998,
0.3840


 7.6892, 0.5394,
0.4344


 31.9809, 0.4698,
0.4174


 3.8967, 0.5698,
0.4302

 45.6641, 0.4542,
0.4111

 1.6160, 0.5953,
0.4047

 62.7811, 0.4412,
0.4053

 0.3683, 0.6936,
0.3064

 83.7161, 0.4302,
0.4000

 0.0000, 0.0000,
0.0000

 108.8536, 0.4209,
0.3953


 138.5780, 0.4128,


0.3911


 173.2737, 0.4059,
0.3874


 13.3778, 0.5108,
0.4296


 13.3778, 0.5108,
0.4296


 13.1031, 0.5155,
0.4289

 14.4894, 0.4928,
0.4317

 15.7206, 0.4721,
0.4292

 17.0815, 0.4493,
0.4222

 18.5785, 0.4257,
0.4115

 20.2173, 0.4024,
0.3984

■ 22.0030, 0.3802,
0.3838

■ 23.9404, 0.3596,
0.3688

■ 26.0341, 0.3408,
0.3537

■ 28.2883, 0.3240,
0.3392

Harmonies

Analogous

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



13.3778, 0.5328, 0.3532



13.3778, 0.5108, 0.4296



13.3778, 0.4358, 0.5059

Triad

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



13.3778, 0.5108, 0.4296



13.3778, 0.1644, 0.3520



13.3778, 0.2527, 0.1826

Complementary

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



13.3778, 0.5108, 0.4296



5.9657, 0.1731, 0.1403

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.



13.3778, 0.1765, 0.1688



13.3778, 0.5108, 0.4296



13.3778, 0.1332, 0.2420

Square

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



13.3778, 0.5108, 0.4296



13.3778, 0.2374, 0.4855



13.3778, 0.1382, 0.1853



13.3778, 0.3647, 0.2227

Rectangle

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



13.3778, 0.5108, 0.4296



13.3778, 0.3712, 0.5401



13.3778, 0.1382, 0.1853



13.3778, 0.2228, 0.1749

Sweetspot

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



13.3785, 0.5108, 0.4296



42.0799, 0.3640, 0.3721



6.8775, 0.5128, 0.2623



9.0264, 0.3719, 0.3779



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



13.3785, 0.5108, 0.4296



23.1023, 0.5179, 0.4269



27.0225, 0.4075, 0.5128



6.3401, 0.3269, 0.3418



11.0869, 0.5147, 0.4295



0.1942, 0.4641, 0.4697

Inverse Universe

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



5.9657, 0.1731, 0.1403



9.8423, 0.1700, 0.1318



2.3450, 0.1543, 0.0641



6.0098, 0.2989, 0.3158



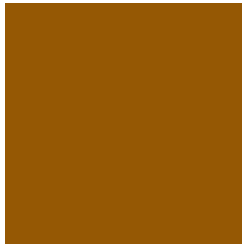
4.8416, 0.1713, 0.1365



0.1154, 0.1941, 0.2188

Previews

White Background



This preview shows how the Yxy color 13.3778, 0.5108, 0.4296 looks on a white background.

Color Contrast Check

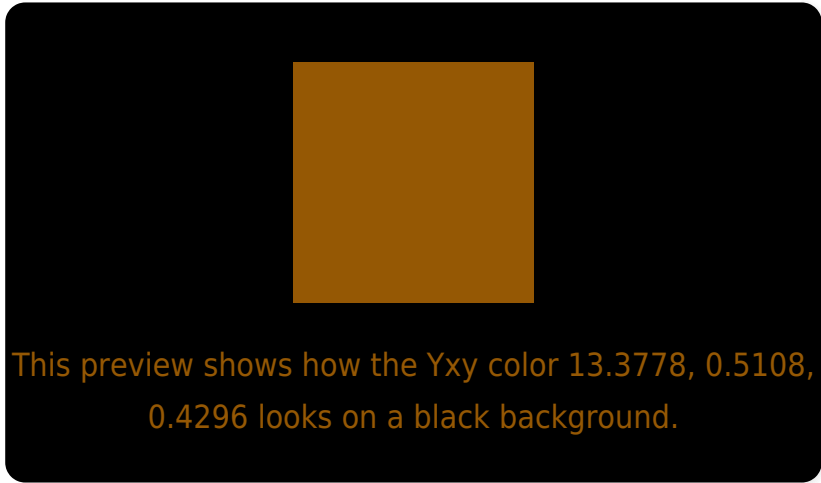
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.3778, 0.5108, 0.4296

Background



This preview shows how black text looks on a background with the Yxy color 13.3778, 0.5108, 0.4296.



This preview shows how white text looks on a background with the Yxy color 13.3778, 0.5108, 0.4296.

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

13.3778, 0.5108, 0.4296

Protanopia

13.4400, 0.4350, 0.4824

Deuteranopia

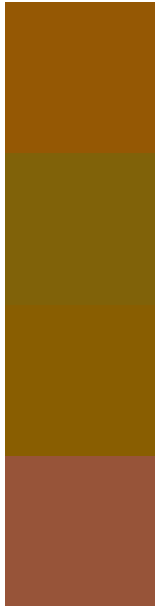
13.4812, 0.4690, 0.4658



Tritanopia

13.4146, 0.4218, 0.3192

Trichromacy



Original Color

13.3778, 0.5108, 0.4296

Protanomaly

13.3443, 0.4625, 0.4634

Deuteranomaly

13.3260, 0.4856, 0.4518

Tritanomaly

13.2154, 0.4705, 0.3730

Monochromacy



Original Color

13.3778, 0.5108, 0.4296

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

12.0773, 0.3958, 0.3950

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3778, 0.5108, 0.4296 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(149, 88, 4)` looks like.

```
.text, #text, p{  
    color:rgb(149, 88, 4)  
}
```

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(149, 88, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 88, 4) }
```

Border

The CSS property to change the border of an element to Yxy 13.3778, 0.5108, 0.4296 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(149, 88, 4) }
```

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

```
.border{ border-color:rgb(149, 88, 4) }
```

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

Here you see how a box with a 4 pixel rgb(149, 88, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 88, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 88, 4);  
box-shadow:4px 4px 4px 4px rgb(149, 88, 4)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.3778, 0.5108, 0.4296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 88, 4) }
```

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

```
.background{ background-color: rgb(149, 88,  
4) }
```

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