

Converting Colors

$Y_{xy}(13.7410, 0.4978, 0.4367)$

Have a look what the booklet for
Yxy(13.7410, 0.4978, 0.4367)
contains.

Yxy(13.7828, 0.4981, 0.4366)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.7828, 0.4981, 0.4366)

Conversions

Conversions Part 1

Format	Color
Hex	925C08
RGB	146, 92, 8
RGB Percent	57%, 36%, 3%
CMY	0.4275, 0.6392, 0.9686
CMYK	0.00, 0.37, 0.95, 0.43
HSL	37°, 90%, 30%
HSV	37°, 95%, 57%
XYZ	15.7243, 13.7828, 2.0614
YIQ	98.5700, 59.1480, -14.6760

Conversions

Conversions Part 2

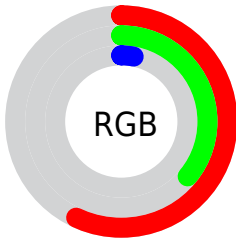
Format	Color
RYB	97, 146, 8
Decimal	9591816
CIELab	43.92, 16.21, 50.01
CIElCh	44, 52.566, 72.042
Yxy	13.7828, 0.4981, 0.4366
Android (android.graphics.Color)	4287781896 (0xFF925C08)
YUV	98.5700, -44.6510, 41.5961
Hunter-Lab	37.1252, 10.6340, 22.6955

Details

The Yxy color **13.7828, 0.4981, 0.4366** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.5714, 0.1732, 0.1376**, and the grayscale version is **12.4675, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6953, 0.4602, 0.4205**, and **4.1276, 0.5276, 0.4193** is the 20% darker color. If you saturate the color by 10%, you get **13.2342, 0.5072, 0.4355**, and if you desaturate by 10%, it is **14.8536, 0.4808, 0.4369**.

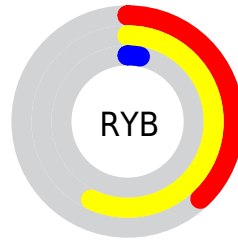
Distribution



Red (57%)

Green (36%)

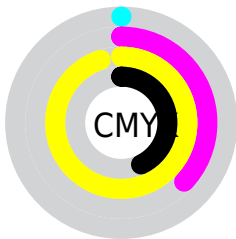
Blue (3%)



Red (38%)

Yellow (57%)

Blue (3%)

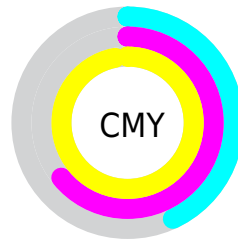


Cyan (0%)

Magenta (37%)

Yellow (95%)

Black (43%)



Cyan (43%)


Magenta (64%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7828, 0.4981, 0.4366 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 13.7828, 0.4981, 0.4366 by changing the saturation by 10% instead.


 13.7828, 0.4981,
0.4366


 13.7828, 0.4981,
0.4366


215.8754, 0.3945,
0.3853


 7.9698, 0.5238,
0.4432


 32.7031, 0.4598,
0.4215


 4.0756, 0.5546,
0.4454

 46.5792, 0.4453,
0.4144


 1.7159, 0.5755,
0.4245

 63.9118, 0.4332,
0.4080

 0.4339, 0.6506,
0.3494

 85.0852, 0.4230,
0.4023


 0.0000, 0.0000,
0.0000


 110.4839, 0.4142,
0.3973


 140.4922, 0.4067,

0.3928

 175.4946, 0.4002,
0.3889

 13.7828, 0.4981,
0.4366

 13.7828, 0.4981,
0.4366


 13.2342, 0.5072,
0.4355

 14.8536, 0.4808,
0.4369

 16.0318, 0.4608,
0.4324

 17.3244, 0.4389,
0.4236

 18.7370, 0.4164,
0.4115

 20.2743, 0.3943,
0.3973

■ 21.9408, 0.3732,
0.3818

■ 23.7407, 0.3535,
0.3661

■ 25.6779, 0.3356,
0.3505

■ 27.7560, 0.3194,
0.3355

Harmonies

Analogous

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



13.7828, 0.5250, 0.3621



13.7828, 0.4981, 0.4366



13.7828, 0.4230, 0.5070

Triad

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



13.7828, 0.4981, 0.4366



13.7828, 0.1649, 0.3376



13.7828, 0.2660, 0.1907

Complementary

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



13.7828, 0.4981, 0.4366



5.5714, 0.1732, 0.1376

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.



13.7828, 0.1878, 0.1744



13.7828, 0.4981, 0.4366



13.7828, 0.1382, 0.2378

Square

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



13.7828, 0.4981, 0.4366



13.7828, 0.2317, 0.4649



13.7828, 0.1465, 0.1872



13.7828, 0.3757, 0.2324

Rectangle

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



13.7828, 0.4981, 0.4366



13.7828, 0.3598, 0.5334



13.7828, 0.1465, 0.1872



13.7828, 0.2357, 0.1823

Sweetspot

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



13.7835, 0.4981, 0.4366



40.5698, 0.3613, 0.3725



6.6454, 0.5173, 0.2677



8.7534, 0.3690, 0.3786



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



13.7835, 0.4981, 0.4366



23.0127, 0.5094, 0.4337



25.4946, 0.4016, 0.5154



6.3675, 0.3268, 0.3425



11.6913, 0.5066, 0.4359



0.2006, 0.4599, 0.4730

Inverse Universe

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



5.5714, 0.1732, 0.1376



8.5357, 0.1676, 0.1235



2.4174, 0.1583, 0.0683



5.9830, 0.2989, 0.3152



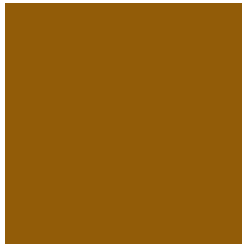
4.4530, 0.1689, 0.1279



0.1090, 0.1919, 0.2108

Previews

White Background



This preview shows how the Yxy color 13.7828, 0.4981, 0.4366 looks on a white background.

Color Contrast Check

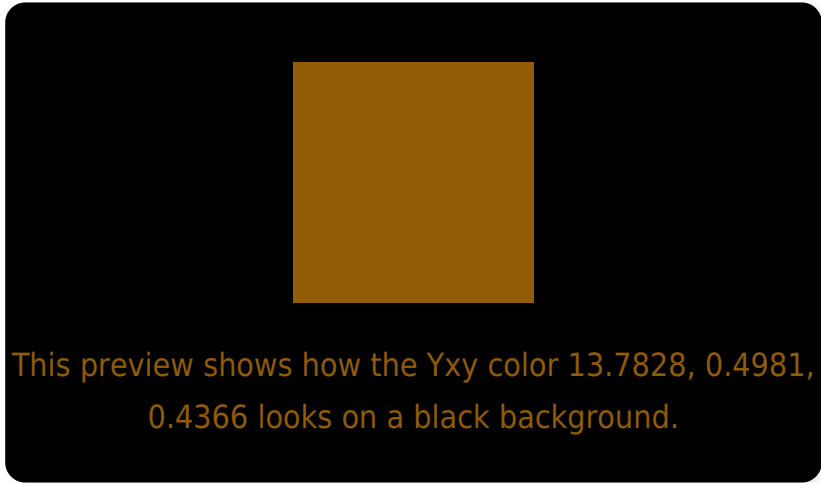
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.7828, 0.4981, 0.4366

Background



This preview shows how black text looks on a background with the Yxy color 13.7828, 0.4981, 0.4366.



This preview shows how white text looks on a background with the Yxy color 13.7828, 0.4981, 0.4366.

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

13.7828, 0.4981, 0.4366

Protanopia

13.9838, 0.4344, 0.4823

Deuteranopia

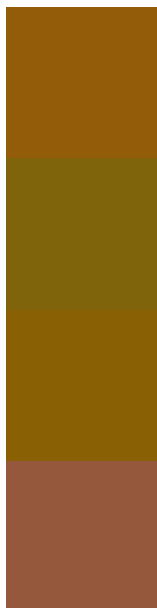
13.8292, 0.4700, 0.4650



Tritanopia

13.9123, 0.4089, 0.3189

Trichromacy



Original Color

13.7828, 0.4981, 0.4366

Protanomaly

13.7277, 0.4583, 0.4653

Deuteranomaly

13.6907, 0.4811, 0.4538

Tritanomaly

13.7059, 0.4569, 0.3744

Monochromacy



Original Color

13.7828, 0.4981, 0.4366

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.4721, 0.3896, 0.3928

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7828, 0.4981, 0.4366 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(146, 92, 8)` looks like.

```
.text, #text, p{  
    color:rgb(146, 92, 8)  
}
```

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(146, 92, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 92, 8) }
```

Border

The CSS property to change the border of an element to Yxy 13.7828, 0.4981, 0.4366 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(146, 92, 8) }
```

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

```
.border{ border-color:rgb(146, 92, 8) }
```

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

Here you see how a box with a 4 pixel rgb(146, 92, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 92, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 92, 8);  
box-shadow:4px 4px 4px 4px rgb(146, 92, 8)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.7828, 0.4981, 0.4366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 92, 8) }
```

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

```
.background{ background-color: rgb(146, 92,  
8) }
```

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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