

Converting Colors

$Y_{xy}(13.1138, 0.4723, 0.4624)$

Have a look what the booklet for
Yxy(13.1138, 0.4723, 0.4624)
contains.

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Color

Yxy(13.1138, 0.4723, 0.4624)

Conversions

Conversions Part 1

Format	Color
Hex	826001
RGB	130, 96, 1
RGB Percent	51%, 38%, 0%
CMY	0.4902, 0.6235, 0.9963
CMYK	0.00, 0.26, 0.99, 0.49
HSL	44°, 99%, 26%
HSV	44°, 99%, 51%
XYZ	13.3946, 13.1138, 1.8519
YIQ	95.3360, 50.7590, -22.3370

Conversions

Conversions Part 2

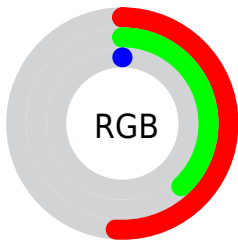
Format	Color
RYB	47, 130, 1
Decimal	8544257
CIELab	42.93, 6.17, 50.18
CIElCh	43, 50.554, 82.991
Yxy	13.1138, 0.4723, 0.4624
Android (android.graphics.Color)	4286734337 (0xFF826001)
YUV	95.3360, -46.5076, 30.4003
Hunter-Lab	36.2130, 2.6514, 22.3170

Details

The Yxy color **13.1138, 0.4723, 0.4624** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **2.8162, 0.1607, 0.0975**, and the grayscale version is **11.6323, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.4488, 0.4405, 0.4385**, and **3.8177, 0.4872, 0.4513** is the 20% darker color. If you saturate the color by 10%, you get **13.0676, 0.4731, 0.4625**, and if you desaturate by 10%, it is **13.7826, 0.4609, 0.4607**.

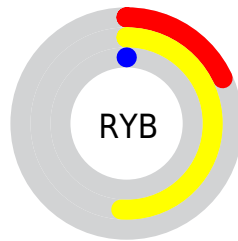
Distribution



Red (51%)

Green (38%)

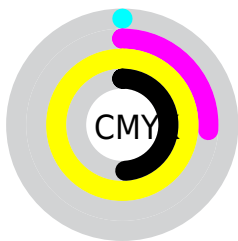
Blue (0%)



Red (18%)

Yellow (51%)

Blue (0%)

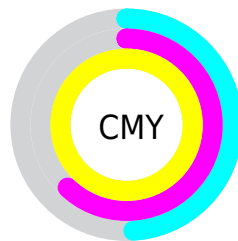


Cyan (0%)

Magenta (26%)

Yellow (99%)

Black (49%)



Cyan (49%)


Magenta (62%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1138, 0.4723, 0.4624 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 13.1138, 0.4723, 0.4624 by changing the saturation by 10% instead.


 13.1138, 0.4723,
0.4624


 13.1138, 0.4723,
0.4624

 211.6457, 0.3843,
0.3929


 7.5070, 0.4940,
0.4767


 31.5081, 0.4405,
0.4392


 3.7811, 0.5144,
0.4856

 45.0643, 0.4282,
0.4294

 1.5519, 0.5235,
0.4765

 62.0391, 0.4178,
0.4210

 0.3248, 0.5858,
0.4142


 82.8169, 0.4090,
0.4137


 0.0000, 0.0000,
0.0000


 107.7821, 0.4014,
0.4074

 137.3190, 0.3949,

0.4019

 171.8121, 0.3892,
0.3971


 13.1138, 0.4723,
0.4624


 13.1138, 0.4723,
0.4624

 13.0676, 0.4731,
0.4625

 13.7826, 0.4609,
0.4607

 14.4961, 0.4476,
0.4556

 15.2642, 0.4318,
0.4463

 16.0903, 0.4145,
0.4333

 16.9773, 0.3962,
0.4176

■ 17.9281, 0.3777,
0.4001

■ 18.9450, 0.3597,
0.3818

■ 20.0305, 0.3425,
0.3633

■ 21.1865, 0.3265,
0.3452

Harmonies

Analogous

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



13.1138, 0.5187, 0.3887



13.1138, 0.4723, 0.4624



13.1138, 0.3885, 0.5211

Triad

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



13.1138, 0.4723, 0.4624



13.1138, 0.1536, 0.2965



13.1138, 0.3039, 0.2054

Complementary

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



13.1138, 0.4723, 0.4624



2.8162, 0.1607, 0.0975

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.



13.1138, 0.2138, 0.1797



13.1138, 0.4723, 0.4624



13.1138, 0.1403, 0.2165

Square

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



13.1138, 0.4723, 0.4624



13.1138, 0.2052, 0.4178



13.1138, 0.1602, 0.1814



13.1138, 0.4152, 0.2543

Rectangle

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



13.1138, 0.4723, 0.4624



13.1138, 0.3240, 0.5280



13.1138, 0.1602, 0.1814



13.1138, 0.2701, 0.1940

Sweetspot

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



13.1145, 0.4723, 0.4624



33.1037, 0.3622, 0.3844



4.8899, 0.5782, 0.2968



7.3490, 0.3685, 0.3908



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



13.1145, 0.4723, 0.4624



22.7639, 0.4746, 0.4614



18.6715, 0.3798, 0.5360



4.8337, 0.3262, 0.3448



12.5402, 0.4730, 0.4626



0.0000, 0.0000, 0.0000

Inverse Universe

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



2.8162, 0.1607, 0.0975



4.6649, 0.1591, 0.0927



1.9242, 0.1658, 0.0693



4.3818, 0.2993, 0.3127



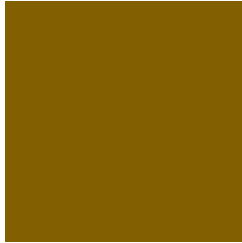
2.6660, 0.1602, 0.0965



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 13.1138, 0.4723, 0.4624 looks on a white background.

Color Contrast Check

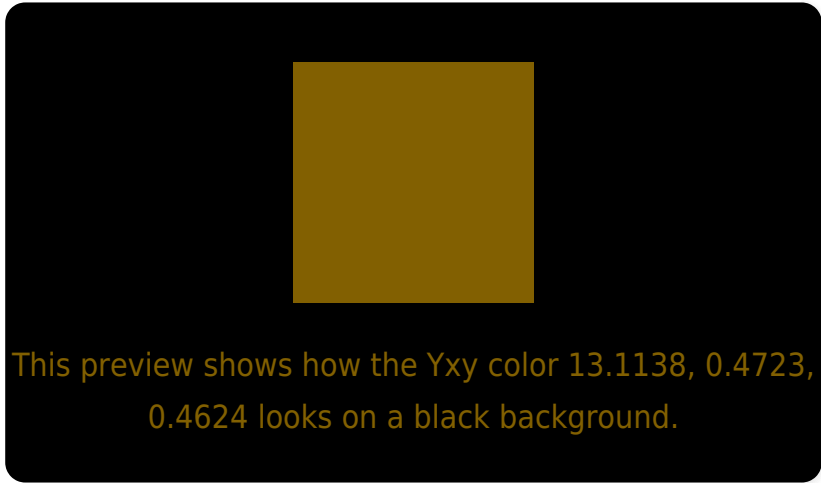
Large Text (above 18pt) WCAG AA ✓ Pass

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

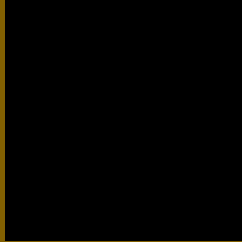
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.1138, 0.4723, 0.4624

Background



This preview shows how black text looks on a background with the Yxy color 13.1138, 0.4723, 0.4624.



This preview shows how white text looks on a background with the Yxy color 13.1138, 0.4723, 0.4624.

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

13.1138, 0.4723, 0.4624

Protanopia

13.1629, 0.4370, 0.4850

Deuteranopia

13.2165, 0.4694, 0.4655



Tritanopia

13.1402, 0.3769, 0.3159

Trichromacy



Original Color

13.1138, 0.4723, 0.4624

Protanomaly

13.1184, 0.4488, 0.4775

Deuteranomaly

13.2165, 0.4694, 0.4655

Tritanomaly

12.9778, 0.4283, 0.3876

Monochromacy



Original Color

13.1138, 0.4723, 0.4624

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.7095, 0.3845, 0.4049

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1138, 0.4723, 0.4624 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(130, 96, 1)` looks like.

```
.text, #text, p{  
    color:rgb(130, 96, 1)  
}
```

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(130, 96, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 96, 1) }
```

Border

The CSS property to change the border of an element to Yxy 13.1138, 0.4723, 0.4624 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(130, 96, 1) }
```

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

```
.border{ border-color:rgb(130, 96, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 96, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 96, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 96, 1);  
box-shadow:4px 4px 4px 4px rgb(130, 96, 1)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.1138, 0.4723, 0.4624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 96, 1) }
```

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

```
.background{ background-color: rgb(130, 96,  
1) }
```

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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