

Converting Colors

$Y_{xy}(13.2397, 0.4965, 0.4323)$

Have a look what the booklet for
Yxy(13.2397, 0.4965, 0.4323)
contains.

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Color

Yxy(13.2733, 0.4966, 0.4326)

Conversions

Conversions Part 1

Format	Color
Hex	905A0E
RGB	144, 90, 14
RGB Percent	56%, 35%, 5%
CMY	0.4353, 0.6470, 0.9453
CMYK	0.00, 0.37, 0.90, 0.44
HSL	35°, 82%, 31%
HSV	35°, 90%, 56%
XYZ	15.2370, 13.2733, 2.1723
YIQ	97.4820, 56.5800, -12.1880

Conversions

Conversions Part 2

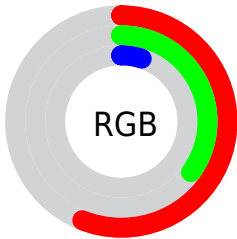
Format	Color
R _Y B	106, 144, 14
Decimal	9460238
CIE Lab	43.17, 16.56, 47.78
CIE LCh	43, 50.567, 70.878
Yxy	13.2733, 0.4966, 0.4326
Android (android.graphics.Color)	4287650318 (0xFF905A0E)
YUV	97.4820, -41.1566, 40.7963
Hunter-Lab	36.4325, 10.8962, 21.9675

Details

The Yxy color **13.2733, 0.4966, 0.4326** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.2340, 0.1787, 0.1531**, and the grayscale version is **12.1712, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7061, 0.4576, 0.4179**, and **3.8761, 0.5302, 0.4172** is the 20% darker color. If you saturate the color by 10%, you get **12.3033, 0.5137, 0.4303**, and if you desaturate by 10%, it is **14.3775, 0.4769, 0.4313**.

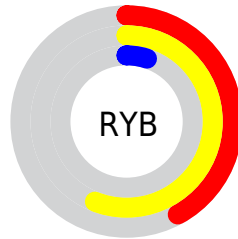
Distribution



Red (56%)

Green (35%)

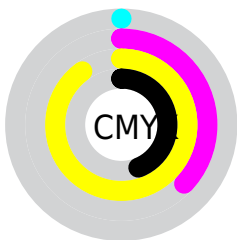
Blue (5%)



Red (42%)

Yellow (56%)

Blue (5%)

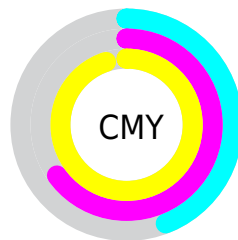


Cyan (0%)

Magenta (37%)

Yellow (90%)

Black (44%)



Cyan (44%)


Magenta (65%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2733, 0.4966, 0.4326 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 13.2733, 0.4966, 0.4326 by changing the saturation by 10% instead.


 13.2733, 0.4966,
0.4326


 13.2733, 0.4966,
0.4326


212.6619, 0.3925,
0.3826


 7.6170, 0.5230,
0.4391


 31.7939, 0.4575,
0.4176


 3.8509, 0.5572,
0.4428

 45.4270, 0.4430,
0.4106

 1.5905, 0.5794,
0.4206

 62.4879, 0.4308,
0.4044

 0.3512, 0.6776,
0.3224

 83.3608, 0.4206,
0.3989


 0.0000, 0.0000,
0.0000

 108.4303, 0.4120,
0.3941


 138.0807, 0.4045,

0.3898

 172.6964, 0.3981,
0.3860


 13.2733, 0.4966,
0.4326


 13.2733, 0.4966,
0.4326


 12.3033, 0.5137,
0.4303

 14.3775, 0.4769,
0.4313

 15.5972, 0.4549,
0.4253

 16.9388, 0.4317,
0.4155

 18.4078, 0.4085,
0.4028

 20.0088, 0.3861,
0.3885

■ 21.7464, 0.3652,
0.3734

■ 23.6248, 0.3460,
0.3583

■ 25.6477, 0.3287,
0.3435

■ 27.8191, 0.3132,
0.3294

Harmonies

Analogous

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



13.2733, 0.5197, 0.3596



13.2733, 0.4966, 0.4326



13.2733, 0.4249, 0.5013

Triad

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



13.2733, 0.4966, 0.4326



13.2733, 0.1700, 0.3424



13.2733, 0.2636, 0.1923

Complementary

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



13.2733, 0.4966, 0.4326



6.2340, 0.1787, 0.1531

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.



13.2733, 0.1882, 0.1773



13.2733, 0.4966, 0.4326



13.2733, 0.1420, 0.2431

Square

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



13.2733, 0.4966, 0.4326



13.2733, 0.2373, 0.4651



13.2733, 0.1488, 0.1914



13.2733, 0.3699, 0.2325

Rectangle

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



13.2733, 0.4966, 0.4326



13.2733, 0.3634, 0.5276



13.2733, 0.1488, 0.1914



13.2733, 0.2343, 0.1844

Sweetspot

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



13.2740, 0.4966, 0.4326



39.2446, 0.3597, 0.3692



6.6611, 0.4988, 0.2615



8.7769, 0.3657, 0.3738



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.



13.2740, 0.4966, 0.4326



21.3659, 0.5161, 0.4284



24.9785, 0.4037, 0.5106



5.9150, 0.3268, 0.3419



10.7607, 0.5131, 0.4308



0.1465, 0.4633, 0.4703

Inverse Universe

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



6.2340, 0.1787, 0.1531



8.8996, 0.1696, 0.1307



2.5302, 0.1610, 0.0729



5.5999, 0.2990, 0.3158



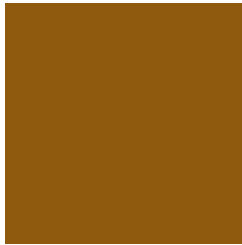
4.5928, 0.1709, 0.1353



0.0857, 0.1937, 0.2174

Previews

White Background



This preview shows how the Yxy color 13.2733, 0.4966, 0.4326 looks on a white background.

Color Contrast Check

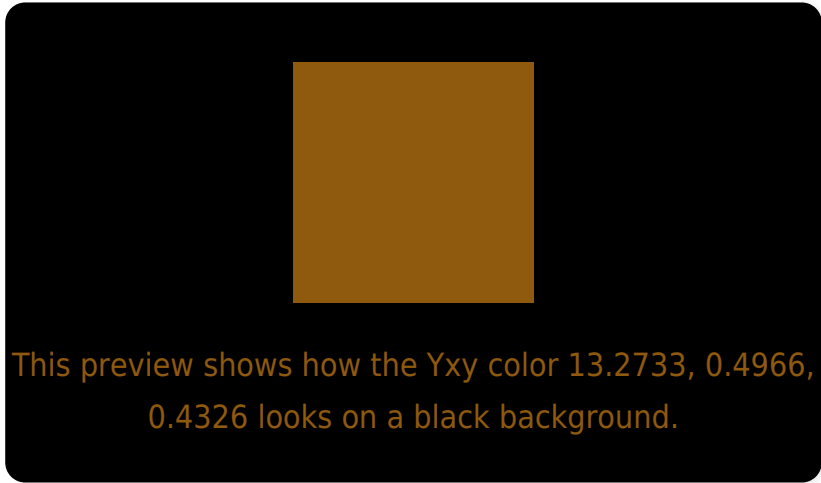
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.2733, 0.4966, 0.4326

Background



This preview shows how black text looks on a background with the Yxy color 13.2733, 0.4966, 0.4326.



This preview shows how white text looks on a background with the Yxy color 13.2733, 0.4966, 0.4326.

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

13.2733, 0.4966, 0.4326

Protanopia

13.3890, 0.4305, 0.4792

Deuteranopia

13.2996, 0.4700, 0.4633



Tritanopia

13.2819, 0.4091, 0.3188

Trichromacy



Original Color

13.2733, 0.4966, 0.4326

Protanomaly

13.2115, 0.4559, 0.4607

Deuteranomaly

13.1695, 0.4809, 0.4514

Tritanomaly

13.1144, 0.4533, 0.3704

Monochromacy



Original Color

13.2733, 0.4966, 0.4326

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

11.9881, 0.3864, 0.3875

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2733, 0.4966, 0.4326 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(144, 90, 14)` looks like.

```
.text, #text, p{  
    color:rgb(144, 90, 14)  
}
```

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(144, 90, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 90, 14) }
```

Border

The CSS property to change the border of an element to Yxy 13.2733, 0.4966, 0.4326 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(144, 90, 14) }
```

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

```
.border{ border-color:rgb(144, 90, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 90, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 90, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 90, 14);  
box-shadow:4px 4px 4px 4px rgb(144, 90,  
14) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2733, 0.4966, 0.4326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 90, 14) }
```

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

```
.background{ background-color: rgb(144, 90,  
14) }
```

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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