

Converting Colors

$Y_{xy}(10.2345, 0.4721, 0.4949)$

Have a look what the booklet for
Yxy(10.2345, 0.4721, 0.4949)
contains.

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Color

Yxy(10.2944, 0.4576, 0.4749)

Conversions

Conversions Part 1

Format	Color
Hex	6E5800
RGB	110, 88, 0
RGB Percent	43%, 35%, 0%
CMY	0.5687, 0.6549, 1.0000
CMYK	0.00, 0.20, 1.00, 0.57
HSL	48°, 100%, 22%
HSV	48°, 100%, 43%
XYZ	9.9194, 10.2944, 1.4632
YIQ	84.5460, 41.3600, -22.7040

Conversions

Conversions Part 2

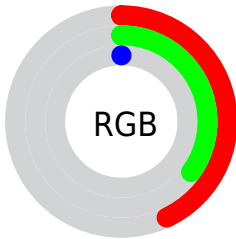
Format	Color
R_{YB}	28, 110, 0
Decimal	7231488
CIE Lab	38.37, 1.07, 46.18
CIE LCh	38, 46.197, 88.671
Yxy	10.2944, 0.4576, 0.4749
Android (android.graphics.Color)	4285421568 (0xFF6E5800)
YUV	84.5460, -41.6812, 22.3232
Hunter-Lab	32.0849, -0.9634, 19.7556

Details

The Yxy color **10.2944, 0.4576, 0.4749** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.6990, 0.1573, 0.0862**, and the grayscale version is **9.0669, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.4618, 0.4270, 0.4463**, and **2.6273, 0.4654, 0.4687** is the 20% darker color. If you saturate the color by 10%, you get **10.2950, 0.4576, 0.4749**, and if you desaturate by 10%, it is **10.6856, 0.4479, 0.4709**.

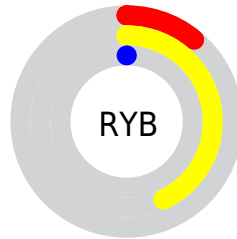
Distribution



Red (43%)

Green (35%)

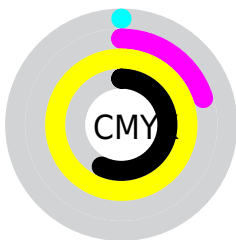
Blue (0%)



Red (11%)

Yellow (43%)

Blue (0%)

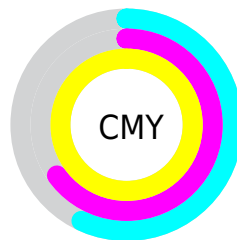


Cyan (0%)

Magenta (20%)

Yellow (100%)

Black (57%)



Cyan (57%)


Magenta (65%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.2944, 0.4576, 0.4749 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 10.2944, 0.4576, 0.4749 by changing the saturation by 10% instead.


 10.2944, 0.4576,
0.4749


 10.2944, 0.4576,
0.4749


 192.7605, 0.3756,
0.3931


 5.5946, 0.4831,
0.4999

 26.3478, 0.4276,
0.4454

 2.6002, 0.4927,
0.5073


 38.4701, 0.4160,
0.4338

 0.9268, 0.4949,
0.5051

 53.8355, 0.4063,
0.4241


 0.0000, 0.0000,
0.0000


 72.8282, 0.3981,
0.4159


 95.8326, 0.3912,
0.4089


 123.2333, 0.3852,

0.4029

 155.4144, 0.3801,
0.3977


 10.2944, 0.4576,
0.4749


 10.2944, 0.4576,
0.4749


 10.2950, 0.4576,
0.4749

 10.6856, 0.4479,
0.4709

 11.0969, 0.4370,
0.4646

 11.5373, 0.4237,
0.4543

 12.0090, 0.4086,
0.4405

 12.5140, 0.3924,
0.4240

■ 13.0538, 0.3756,
0.4057

■ 13.6300, 0.3589,
0.3864

■ 14.2440, 0.3426,
0.3669

■ 14.8972, 0.3272,
0.3476

Harmonies

Analogous

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



10.2944, 0.5126, 0.4024



10.2944, 0.4576, 0.4749



10.2944, 0.3704, 0.5251

Triad

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



10.2944, 0.4576, 0.4749



10.2944, 0.1495, 0.2781



10.2944, 0.3243, 0.2139

Complementary

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



10.2944, 0.4576, 0.4749



1.6990, 0.1573, 0.0862

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.



10.2944, 0.2289, 0.1836



10.2944, 0.4576, 0.4749



10.2944, 0.1428, 0.2078

Square

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



10.2944, 0.4576, 0.4749



10.2944, 0.1934, 0.3931



10.2944, 0.1686, 0.1799



10.2944, 0.4340, 0.2662

Rectangle

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



10.2944, 0.4576, 0.4749



10.2944, 0.3058, 0.5203



10.2944, 0.1686, 0.1799



10.2944, 0.2892, 0.2011

Sweetspot

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



10.2950, 0.4576, 0.4749



23.8567, 0.3602, 0.3880



3.3725, 0.5971, 0.3063



5.4767, 0.3654, 0.3941



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



10.2950, 0.4576, 0.4749



17.9139, 0.4587, 0.4740



12.7280, 0.3696, 0.5447



3.8085, 0.3257, 0.3457



12.3284, 0.4580, 0.4746



60.1825, 0.4605, 0.4725

Inverse Universe

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



1.6990, 0.1573, 0.0862



2.8337, 0.1562, 0.0824



1.4489, 0.1743, 0.0734



3.3986, 0.2996, 0.3117



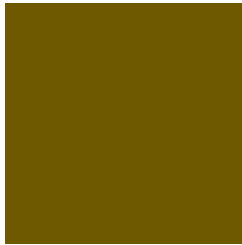
2.0040, 0.1569, 0.0848



8.9711, 0.1548, 0.0773

Previews

White Background



This preview shows how the Yxy color 10.2944, 0.4576, 0.4749 looks on a white background.

Color Contrast Check

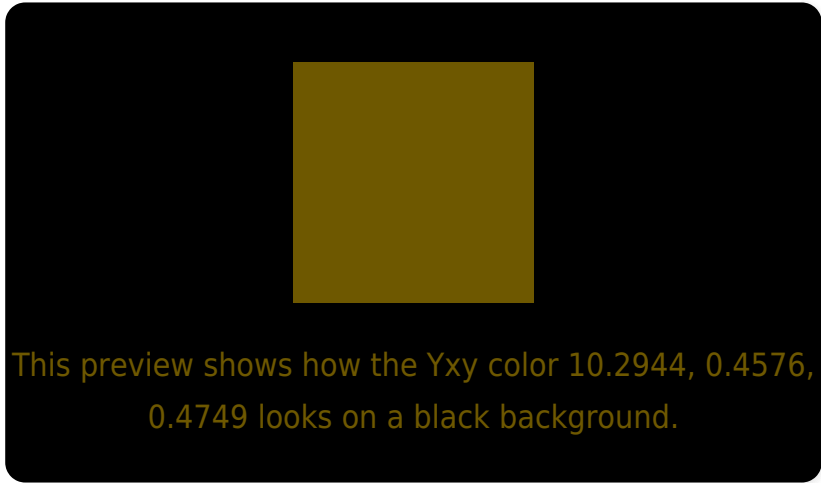
Large Text (above 18pt) WCAG AA ✓ Pass

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

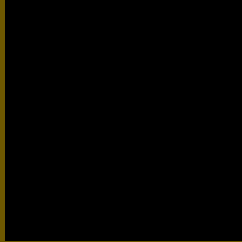
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.2944, 0.4576, 0.4749

Background



This preview shows how black text looks on a background with the Yxy color 10.2944, 0.4576, 0.4749.



This preview shows how white text looks on a background with the Yxy color 10.2944, 0.4576, 0.4749.

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

10.2944, 0.4576, 0.4749

Protanopia

10.3179, 0.4359, 0.4864

Deuteranopia

10.3158, 0.4660, 0.4606



Tritanopia

10.3840, 0.3608, 0.3161

Trichromacy



Original Color

10.2944, 0.4576, 0.4749

Protanomaly

10.3222, 0.4439, 0.4824

Deuteranomaly

10.3359, 0.4624, 0.4667

Tritanomaly

10.1369, 0.4119, 0.3904

Monochromacy



Original Color

10.2944, 0.4576, 0.4749

Achromatopsia

9.0842, 0.3127, 0.3290

Achromatomaly

9.3016, 0.3786, 0.4090

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2944, 0.4576, 0.4749 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(110, 88, 0)` looks like.

```
.text, #text, p{  
    color:rgb(110, 88, 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(110, 88, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 88, 0) }
```

Border

The CSS property to change the border of an element to Yxy 10.2944, 0.4576, 0.4749 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(110, 88, 0) }
```

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

```
.border{ border-color:rgb(110, 88, 0) }
```

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

Here you see how a box with a 4 pixel rgb(110, 88, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 88, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 88, 0);  
box-shadow:4px 4px 4px 4px rgb(110, 88, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.2944, 0.4576, 0.4749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 88, 0) }
```

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

```
.background{ background-color: rgb(110, 88,  
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](#).

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