

Converting Colors

$Y_{xy}(12.0940, 0.4306, 0.4774)$

Have a look what the booklet for
Yxy(12.0940, 0.4306, 0.4774)
contains.

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Color

Yxy(12.0940, 0.4306, 0.4774)

Conversions

Conversions Part 1

Format	Color
Hex	6E6212
RGB	110, 98, 18
RGB Percent	43%, 38%, 7%
CMY	0.5686, 0.6157, 0.9295
CMYK	0.00, 0.11, 0.84, 0.57
HSL	52°, 72%, 25%
HSV	52°, 84%, 43%
XYZ	10.9084, 12.0940, 2.3306
YIQ	92.4680, 32.8320, -22.3360

Conversions

Conversions Part 2

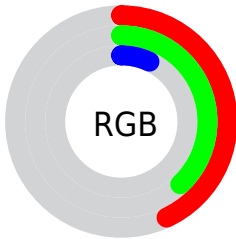
Format	Color
R _Y B	32, 110, 18
Decimal	7234066
CIE Lab	41.37, -4.28, 43.37
CIE LCh	41, 43.585, 95.635
Yxy	12.0940, 0.4306, 0.4774
Android (android.graphics.Color)	4285424146 (0xFF6E6212)
YUV	92.4680, -36.7127, 15.3756
Hunter-Lab	34.7764, -4.8682, 20.3700

Details

The Yxy color **12.0940, 0.4306, 0.4774** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.1827, 0.1704, 0.1054**, and the grayscale version is **10.8974, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.5020, 0.4064, 0.4444**, and **3.3858, 0.4387, 0.4899** is the 20% darker color. If you saturate the color by 10%, you get **11.7999, 0.4384, 0.4832**, and if you desaturate by 10%, it is **12.4108, 0.4204, 0.4677**.

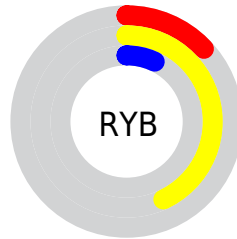
Distribution



Red (43%)

Green (38%)

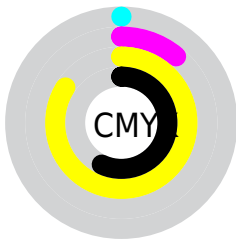
Blue (7%)



Red (13%)

Yellow (43%)

Blue (7%)

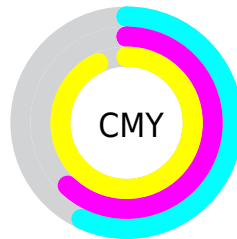


Cyan (0%)

Magenta (11%)

Yellow (84%)

Black (57%)



Cyan (57%)


Magenta (62%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.0940, 0.4306, 0.4774 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 12.0940, 0.4306, 0.4774 by changing the saturation by 10% instead.


 12.0940, 0.4306,
0.4774

 12.0940, 0.4306,
0.4774


205.0266, 0.3649,
0.3918


 6.8077, 0.4456,
0.4995


 29.6662, 0.4066,
0.4447


 3.3421, 0.4671,
0.5329

 42.7209, 0.3973,
0.4326

 1.3129, 0.4597,
0.5403

 59.1339, 0.3896,
0.4227

 0.1511, 0.2059,
0.7941

 79.2895, 0.3830,
0.4144


 0.0000, 0.0000,
0.0000

 103.5722, 0.3775,
0.4074


 132.3664, 0.3727,


0.4014


 166.0564, 0.3685,
0.3963


 12.0940, 0.4306,
0.4774


 12.0940, 0.4306,
0.4774


 11.7999, 0.4384,
0.4832


 12.4108, 0.4204,
0.4677

 11.6182, 0.4431,
0.4864

 12.7513, 0.4081,
0.4543

 13.1180, 0.3941,
0.4377

 13.5126, 0.3790,
0.4189

 13.9366, 0.3634,
0.3986

■ 14.3913, 0.3477,
0.3777

■ 14.8781, 0.3324,
0.3567

■ 15.3981, 0.3178,
0.3363

■ 15.9525, 0.3041,
0.3167

Harmonies

Analogous

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



12.0940, 0.4875, 0.4155



12.0940, 0.4306, 0.4774



12.0940, 0.3478, 0.5064

Triad

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



12.0940, 0.4306, 0.4774



12.0940, 0.1590, 0.2660



12.0940, 0.3469, 0.2335

Complementary

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



12.0940, 0.4306, 0.4774



2.1827, 0.1704, 0.1054

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.



12.0940, 0.2548, 0.1999



12.0940, 0.4306, 0.4774



12.0940, 0.1594, 0.2103

Square

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



12.0940, 0.4306, 0.4774



12.0940, 0.1924, 0.3611



12.0940, 0.1909, 0.1908



12.0940, 0.4414, 0.2860

Rectangle

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



12.0940, 0.4306, 0.4774



12.0940, 0.2886, 0.4867



12.0940, 0.1909, 0.1908



12.0940, 0.3141, 0.2198

Sweetspot

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



12.0946, 0.4306, 0.4774



25.1024, 0.3508, 0.3819



3.8428, 0.5574, 0.3111



5.7925, 0.3549, 0.3874



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.



12.0946, 0.4306, 0.4774



20.2765, 0.4438, 0.4858



12.7460, 0.3619, 0.5309



3.8456, 0.3256, 0.3471



13.9240, 0.4433, 0.4862



68.4682, 0.4448, 0.4850

Inverse Universe

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



2.1827, 0.1704, 0.1054



2.4309, 0.1534, 0.0721



2.2808, 0.2045, 0.1052



3.3643, 0.2996, 0.3102



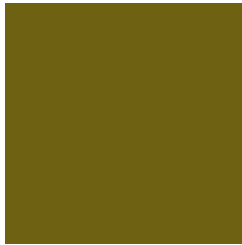
1.7126, 0.1539, 0.0740



7.7859, 0.1523, 0.0683

Previews

White Background



This preview shows how the Yxy color 12.0940, 0.4306, 0.4774 looks on a white background.

Color Contrast Check

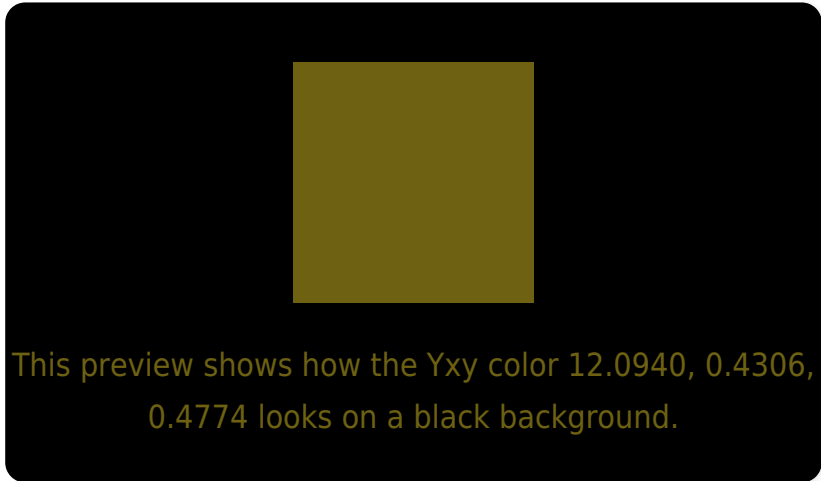
Large Text (above 18pt) WCAG AA ✓ Pass

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

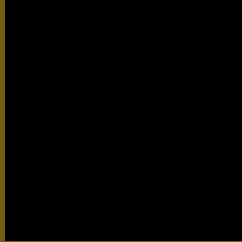
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.0940, 0.4306, 0.4774

Background



This preview shows how black text looks on a background with the Yxy color 12.0940, 0.4306, 0.4774.



This preview shows how white text looks on a background with the Yxy color 12.0940, 0.4306, 0.4774.

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

12.0940, 0.4306, 0.4774

Protanopia

12.0940, 0.4306, 0.4774

Deuteranopia

12.0938, 0.4574, 0.4528



Tritanopia

12.0770, 0.3422, 0.3144

Trichromacy



Original Color

12.0940, 0.4306, 0.4774

Protanomaly

12.0940, 0.4306, 0.4774

Deuteranomaly

12.0865, 0.4469, 0.4621

Tritanomaly

12.0125, 0.3834, 0.3832

Monochromacy



Original Color

12.0940, 0.4306, 0.4774

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

11.0397, 0.3642, 0.3979

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0940, 0.4306, 0.4774 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, 98, 18)` looks like.

```
.text, #text, p{  
  color:rgb(110, 98, 18)  
}
```

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, 98, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 98, 18) }
```

Border

The CSS property to change the border of an element to Yxy 12.0940, 0.4306, 0.4774 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, 98, 18) }
```

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

```
.border{ border-color:rgb(110, 98, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 98, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 98, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 98, 18);  
box-shadow:4px 4px 4px 4px rgb(110, 98,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 12.0940, 0.4306, 0.4774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 98, 18) }
```

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

```
.background{ background-color: rgb(110, 98,  
18) }
```

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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