

Converting Colors

$Y_{xy}(14.2602, 0.3774, 0.4723)$

Have a look what the booklet for
Yxy(14.2602, 0.3774, 0.4723)
contains.

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Color

Yxy(14.2601, 0.3774, 0.4724)

Conversions

Conversions Part 1

Format	Color
Hex	646F2C
RGB	100, 111, 44
RGB Percent	39%, 44%, 17%
CMY	0.6079, 0.5647, 0.8275
CMYK	0.10, 0.00, 0.60, 0.56
HSL	70°, 43%, 30%
HSV	70°, 60%, 44%
XYZ	11.3924, 14.2601, 4.5340
YIQ	100.0730, 14.9510, -23.1690

Conversions

Conversions Part 2

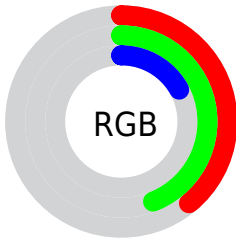
Format	Color
R_{YB}	44, 111, 55
Decimal	6582060
CIE Lab	44.60, -14.70, 35.17
CIE LCh	45, 38.115, 112.681
Yxy	14.2601, 0.3774, 0.4724
Android (android.graphics.Color)	4284772140 (0xFF646F2C)
YUV	100.0730, -27.6440, -0.0640
Hunter-Lab	37.7625, -12.2337, 19.3150

Details

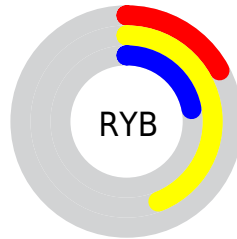
The Yxy color **14.2601, 0.3774, 0.4724** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **3.7618, 0.2174, 0.1529**, and the grayscale version is **12.8318, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.6425, 0.3645, 0.4383**, and **4.2588, 0.3900, 0.5285** is the 20% darker color. If you saturate the color by 10%, you get **14.0851, 0.3841, 0.4914**, and if you desaturate by 10%, it is **14.4611, 0.3688, 0.4507**.

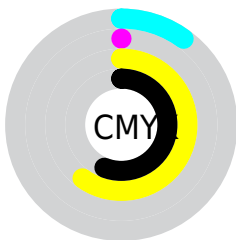
Distribution



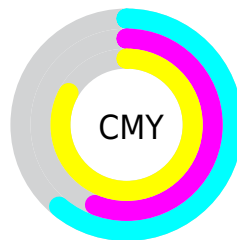
- Red (39%)
- Green (44%)
- Blue (17%)



- Red (17%)
- Yellow (44%)
- Blue (22%)



- Cyan (10%)
- Magenta (0%)
- Yellow (60%)
- Black (56%)





- Cyan (61%)
- Magenta (56%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.2601, 0.3774, 0.4724 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 14.2601, 0.3774, 0.4724 by changing the saturation by 10% instead.


 14.2601, 0.3774,
0.4724


 14.2601, 0.3774,
0.4724


 218.8430, 0.3425,
0.3860


 8.3018, 0.3850,
0.4994


 33.5498, 0.3648,
0.4369


 4.2887, 0.3952,
0.5409

 47.6500, 0.3599,
0.4249


 1.8363, 0.4001,
0.5999

 65.2330, 0.3558,
0.4151

 0.5097, 0.1978,
0.8022

 86.6831, 0.3523,
0.4072

 0.0000, 0.0000,
0.0000

 112.3848, 0.3493,
0.4005

 142.7224, 0.3467,

0.3949

178.0803, 0.3445,
0.3901

■ 14.2601, 0.3774,
0.4724

■ 14.2601, 0.3774,
0.4724

■ 14.0851, 0.3841,
0.4914

■ 14.4611, 0.3688,
0.4507

■ 13.9323, 0.3887,
0.5068

■ 14.6877, 0.3588,
0.4270

■ 13.8002, 0.3909,
0.5182

■ 14.9422, 0.3478,
0.4024

■ 13.6842, 0.3918,
0.5271

■ 15.2259, 0.3363,
0.3775

■ 15.5400, 0.3246,
0.3532

■ 15.8857, 0.3131,
0.3298

■ 16.2643, 0.3021,
0.3078

■ 16.6767, 0.2915,
0.2873

■ 17.1240, 0.2817,
0.2684

Harmonies

Analogous

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



14.2601, 0.4391, 0.4372



14.2601, 0.3774, 0.4724



14.2601, 0.3024, 0.4606

Triad

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



14.2601, 0.3774, 0.4724



14.2601, 0.1774, 0.2464



14.2601, 0.3881, 0.2722

Complementary

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



14.2601, 0.3774, 0.4724



3.7618, 0.2174, 0.1529

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.



14.2601, 0.3070, 0.2323



14.2601, 0.3774, 0.4724



14.2601, 0.1933, 0.2151

Square

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



14.2601, 0.3774, 0.4724



14.2601, 0.1906, 0.3094



14.2601, 0.2373, 0.2119



14.2601, 0.4509, 0.3247

Rectangle

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



14.2601, 0.3774, 0.4724



14.2601, 0.2549, 0.4206



14.2601, 0.2373, 0.2119



14.2601, 0.3614, 0.2571

Sweetspot

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



14.2607, 0.3774, 0.4724



27.3607, 0.3341, 0.3729



6.2045, 0.4714, 0.3510



6.5430, 0.3368, 0.3787



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



14.2607, 0.3774, 0.4724



25.1142, 0.3860, 0.4973



12.7621, 0.3309, 0.4976



3.8898, 0.3230, 0.3500



16.1127, 0.3916, 0.5273



79.9463, 0.3900, 0.5285

Inverse Universe

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



3.7618, 0.2174, 0.1529



4.5177, 0.1936, 0.1141



5.0018, 0.2734, 0.1764



3.3244, 0.3019, 0.3075



1.4984, 0.1595, 0.0652



7.2029, 0.1561, 0.0634

Previews

White Background



This preview shows how the Yxy color 14.2601, 0.3774, 0.4724 looks on a white background.

Color Contrast Check

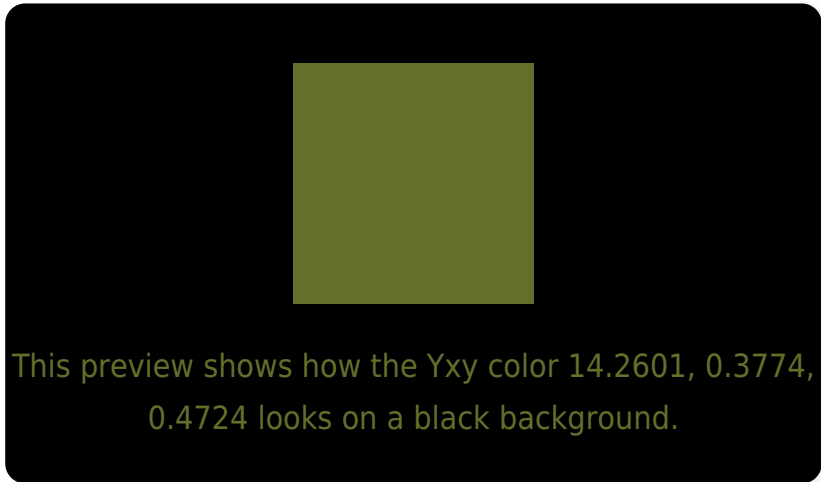
Large Text (above 18pt) WCAG AA ✓ Pass

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

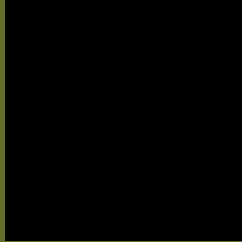
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

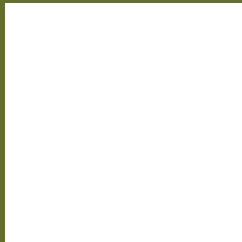
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 14.2601, 0.3774, 0.4724

Background



This preview shows how black text looks on a background with the Yxy color 14.2601, 0.3774, 0.4724.



This preview shows how white text looks on a background with the Yxy color 14.2601, 0.3774, 0.4724.

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

14.2601, 0.3774, 0.4724

Protanopia

14.2571, 0.4107, 0.4537

Deuteranopia

14.0654, 0.4327, 0.4263



Tritanopia

14.1963, 0.3065, 0.3122

Trichromacy



Original Color

14.2601, 0.3774, 0.4724

Protanomaly

14.2790, 0.3982, 0.4603

Deuteranomaly

14.0198, 0.4120, 0.4426

Tritanomaly

14.1466, 0.3346, 0.3731

Monochromacy



Original Color

14.2601, 0.3774, 0.4724

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

13.1891, 0.3391, 0.3838

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.2601, 0.3774, 0.4724 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(100, 111, 44)` looks like.

```
.text, #text, p{  
    color:rgb(100, 111, 44)  
}
```

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(100, 111, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 111, 44) }
```

Border

The CSS property to change the border of an element to Yxy 14.2601, 0.3774, 0.4724 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(100, 111, 44) }
```

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

```
.border{ border-color:rgb(100, 111, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 111, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 111, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 111, 44);  
box-shadow:4px 4px 4px 4px rgb(100, 111,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 14.2601, 0.3774, 0.4724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 111, 44) }
```

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

```
.background{ background-color: rgb(100,  
111, 44) }
```

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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