

Converting Colors

$Y_{xy}(14.8045, 0.4164, 0.4757)$

Have a look what the booklet for
Yxy(14.8045, 0.4164, 0.4757)
contains.

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Color

Yxy(14.7390, 0.4164, 0.4761)

Conversions

Conversions Part 1

Format	Color
Hex	746D1D
RGB	116, 109, 29
RGB Percent	45%, 43%, 11%
CMY	0.5452, 0.5725, 0.8863
CMYK	0.00, 0.06, 0.75, 0.55
HSL	55°, 60%, 28%
HSV	55°, 75%, 45%
XYZ	12.8908, 14.7390, 3.3280
YIQ	101.9730, 29.8520, -23.3960

Conversions

Conversions Part 2

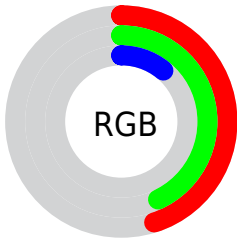
Format	Color
R_{YB}	37, 116, 29
Decimal	7630109
CIE Lab	45.27, -7.22, 43.11
CIE LCh	45, 43.715, 99.510
Yxy	14.7390, 0.4164, 0.4761
Android (android.graphics.Color)	4285820189 (0xFF746D1D)
YUV	101.9730, -35.9757, 12.3017
Hunter-Lab	38.3914, -7.2494, 21.7344

Details

The Yxy color **14.7390, 0.4164, 0.4761** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.7818, 0.1794, 0.1164**, and the grayscale version is **13.3694, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.3641, 0.3969, 0.4431**, and **4.5691, 0.4266, 0.4995** is the 20% darker color. If you saturate the color by 10%, you get **14.4955, 0.4247, 0.4857**, and if you desaturate by 10%, it is **15.0076, 0.4058, 0.4627**.

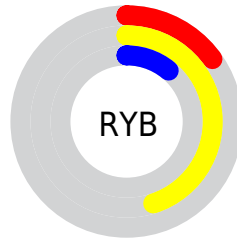
Distribution



Red (45%)

Green (43%)

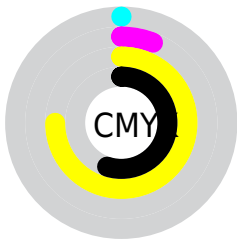
Blue (11%)



Red (15%)

Yellow (45%)

Blue (11%)

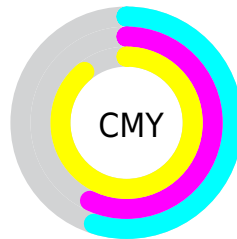


Cyan (0%)

Magenta (6%)

Yellow (75%)

Black (55%)



Cyan (55%)


Magenta (57%)

Yellow (89%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 14.7390, 0.4164, 0.4761 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 14.7390, 0.4164, 0.4761 by changing the saturation by 10% instead.


 14.7390, 0.4164,
0.4761


 14.7390, 0.4164,
0.4761


 221.7810, 0.3601,
0.3918


 8.6364, 0.4287,
0.4983


 34.3947, 0.3961,
0.4436


 4.5048, 0.4546,
0.5416

 48.7165, 0.3882,
0.4318


 1.9598, 0.4462,
0.5538

 66.5469, 0.3816,
0.4221

 0.5839, 0.3934,
0.6066


 88.2703, 0.3760,
0.4140


 0.0000, 0.0000,
0.0000

 114.2710, 0.3711,
0.4071


 144.9334, 0.3670,

0.4013


 180.6419, 0.3633,
0.3962


 14.7390, 0.4164,
0.4761


 14.7390, 0.4164,
0.4761


 14.4955, 0.4247,
0.4857

 15.0076, 0.4058,
0.4627


 14.2713, 0.4306,
0.4915

 15.3015, 0.3933,
0.4460

 14.1616, 0.4334,
0.4940

 15.6232, 0.3794,
0.4267

 15.9744, 0.3645,
0.4056

 16.3568, 0.3494,
0.3836

■ 16.7718, 0.3343,
0.3614

■ 17.2207, 0.3197,
0.3396

■ 17.7048, 0.3059,
0.3186

■ 18.2254, 0.2929,
0.2988

Harmonies

Analogous

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



14.7390, 0.4738, 0.4210



14.7390, 0.4164, 0.4761



14.7390, 0.3363, 0.4940

Triad

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



14.7390, 0.4164, 0.4761



14.7390, 0.1649, 0.2614



14.7390, 0.3574, 0.2440

Complementary

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



14.7390, 0.4164, 0.4761



2.7818, 0.1794, 0.1164

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.



14.7390, 0.2683, 0.2091



14.7390, 0.4164, 0.4761



14.7390, 0.1689, 0.2126

Square

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



14.7390, 0.4164, 0.4761



14.7390, 0.1930, 0.3467



14.7390, 0.2033, 0.1972



14.7390, 0.4431, 0.2962

Rectangle

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



14.7390, 0.4164, 0.4761



14.7390, 0.2804, 0.4682



14.7390, 0.2033, 0.1972



14.7390, 0.3262, 0.2301

Sweetspot

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



14.7397, 0.4164, 0.4761



28.9359, 0.3457, 0.3782



4.7194, 0.5357, 0.3176



6.8680, 0.3488, 0.3828



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



14.7397, 0.4164, 0.4761



25.2012, 0.4291, 0.4901



14.2687, 0.3556, 0.5203



4.2185, 0.3256, 0.3483



15.8865, 0.4335, 0.4940



76.8309, 0.4344, 0.4933

Inverse Universe

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



2.7818, 0.1794, 0.1164



3.0526, 0.1587, 0.0793



3.2715, 0.2234, 0.1263



3.6327, 0.2995, 0.3089



1.6280, 0.1522, 0.0680



7.3970, 0.1511, 0.0639

Previews

White Background



This preview shows how the Yxy color 14.7390, 0.4164, 0.4761 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



This preview shows how the Yxy color 14.7390, 0.4164, 0.4761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

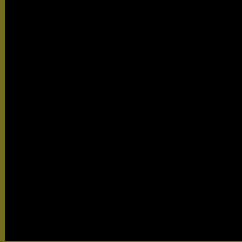
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.7390, 0.4164, 0.4761

Background



This preview shows how black text looks on a background with the Yxy color 14.7390, 0.4164, 0.4761.



This preview shows how white text looks on a background with the Yxy color 14.7390, 0.4164, 0.4761.

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

14.7390, 0.4164, 0.4761

Protanopia

14.5972, 0.4252, 0.4693

Deuteranopia

14.6754, 0.4507, 0.4456



Tritanopia

14.7661, 0.3308, 0.3133

Trichromacy



Original Color

14.7390, 0.4164, 0.4761

Protanomaly

14.7358, 0.4223, 0.4717

Deuteranomaly

14.7141, 0.4369, 0.4575

Tritanomaly

14.6903, 0.3677, 0.3782

Monochromacy



Original Color

14.7390, 0.4164, 0.4761

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.7370, 0.3561, 0.3950

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.7390, 0.4164, 0.4761 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(116, 109, 29)` looks like.

```
.text, #text, p{  
    color:rgb(116, 109, 29)  
}
```

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(116, 109, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 109, 29) }
```

Border

The CSS property to change the border of an element to Yxy 14.7390, 0.4164, 0.4761 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(116, 109, 29) }
```

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

```
.border{ border-color:rgb(116, 109, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 109, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 109, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 109, 29);  
box-shadow:4px 4px 4px 4px rgb(116, 109,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 14.7390, 0.4164, 0.4761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 109, 29) }
```

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

```
.background{ background-color: rgb(116,  
109, 29) }
```

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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