

Converting Colors

$Y_{xy}(15.0298, 0.4146, 0.4733)$

Have a look what the booklet for
Yxy(15.0298, 0.4146, 0.4733)
contains.

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Color

Yxy(15.0381, 0.4144, 0.4731)

Conversions

Conversions Part 1

Format	Color
Hex	756E20
RGB	117, 110, 32
RGB Percent	46%, 43%, 13%
CMY	0.5412, 0.5686, 0.8744
CMYK	0.00, 0.06, 0.73, 0.54
HSL	55°, 57%, 29%
HSV	55°, 73%, 46%
XYZ	13.1722, 15.0381, 3.5760
YIQ	103.2010, 29.2100, -22.7740

Conversions

Conversions Part 2

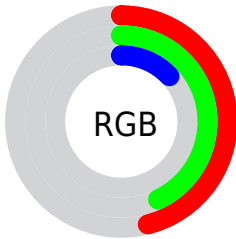
Format	Color
R_{YB}	40, 117, 32
Decimal	7695904
CIE Lab	45.69, -7.14, 42.31
CIE LCh	46, 42.906, 99.581
Yxy	15.0381, 0.4144, 0.4731
Android (android.graphics.Color)	4285885984 (0xFF756E20)
YUV	103.2010, -35.1021, 12.1017
Hunter-Lab	38.7790, -7.2313, 21.6779

Details

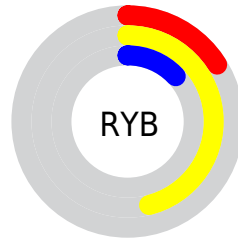
The Yxy color **15.0381, 0.4144, 0.4731** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.0429, 0.1831, 0.1229**, and the grayscale version is **13.7092, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.7569, 0.3938, 0.4407**, and **4.7133, 0.4265, 0.4995** is the 20% darker color. If you saturate the color by 10%, you get **14.7796, 0.4233, 0.4836**, and if you desaturate by 10%, it is **15.3229, 0.4033, 0.4589**.

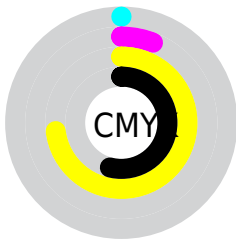
Distribution



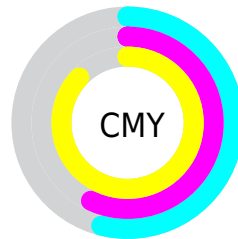
- Red (46%)
- Green (43%)
- Blue (13%)



- Red (16%)
- Yellow (46%)
- Blue (13%)



- Cyan (0%)
- Magenta (6%)
- Yellow (73%)
- Black (54%)





- Cyan (54%)
- Magenta (57%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.0381, 0.4144, 0.4731 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 15.0381, 0.4144, 0.4731 by changing the saturation by 10% instead.


 15.0381, 0.4144,
0.4731

 15.0381, 0.4144,
0.4731


 223.5967, 0.3591,
0.3905


 8.8461, 0.4268,
0.4951


 34.9200, 0.3943,
0.4412


 4.6410, 0.4497,
0.5344

 49.3787, 0.3866,
0.4296

 2.0382, 0.4472,
0.5528

 67.3618, 0.3801,
0.4201

 0.6295, 0.4025,
0.5975

 89.2537, 0.3746,
0.4122

 0.0000, 0.0000,
0.0000

 115.4387, 0.3699,
0.4055

 146.3013, 0.3658,

0.3997

182.2258, 0.3622,
0.3948

15.0381, 0.4144,
0.4731

15.0381, 0.4144,
0.4731

14.7796, 0.4233,
0.4836

15.3229, 0.4033,
0.4589

14.5426, 0.4297,
0.4900

15.6340, 0.3903,
0.4415

14.3747, 0.4339,
0.4937

15.9741, 0.3761,
0.4217

16.3448, 0.3611,
0.4004

16.7478, 0.3459,
0.3783

■ 17.1845, 0.3309,
0.3562

■ 17.6562, 0.3164,
0.3346

■ 18.1644, 0.3027,
0.3139

■ 18.7101, 0.2899,
0.2944

Harmonies

Analogous

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



15.0381, 0.4703, 0.4198



15.0381, 0.4144, 0.4731



15.0381, 0.3360, 0.4896

Triad

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



15.0381, 0.4144, 0.4731



15.0381, 0.1679, 0.2631



15.0381, 0.3566, 0.2459

Complementary

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



15.0381, 0.4144, 0.4731



3.0429, 0.1831, 0.1229

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.



15.0381, 0.2696, 0.2115



15.0381, 0.4144, 0.4731



15.0381, 0.1718, 0.2151

Square

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



15.0381, 0.4144, 0.4731



15.0381, 0.1957, 0.3462



15.0381, 0.2057, 0.1999



15.0381, 0.4400, 0.2973

Rectangle

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



15.0381, 0.4144, 0.4731



15.0381, 0.2814, 0.4640



15.0381, 0.2057, 0.1999



15.0381, 0.3262, 0.2322

Sweetspot

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



15.0388, 0.4144, 0.4731



29.9993, 0.3458, 0.3781



4.9625, 0.5257, 0.3174



6.8624, 0.3489, 0.3827



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.



15.0388, 0.4144, 0.4731



26.1847, 0.4278, 0.4883



14.6006, 0.3554, 0.5155



4.2173, 0.3256, 0.3483



15.8294, 0.4339, 0.4937



76.5389, 0.4348, 0.4930

Inverse Universe

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



3.0429, 0.1831, 0.1229



3.4189, 0.1615, 0.0846



3.5265, 0.2267, 0.1317



3.6339, 0.2995, 0.3089



1.6336, 0.1523, 0.0682



7.4157, 0.1511, 0.0640

Previews

White Background



This preview shows how the Yxy color 15.0381, 0.4144, 0.4731 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 15.0381, 0.4144, 0.4731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

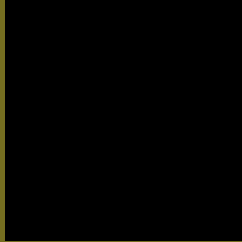
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.0381, 0.4144, 0.4731

Background



This preview shows how black text looks on a background with the Yxy color 15.0381, 0.4144, 0.4731.



This preview shows how white text looks on a background with the Yxy color 15.0381, 0.4144, 0.4731.

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

15.0381, 0.4144, 0.4731

Protanopia

14.8944, 0.4230, 0.4664

Deuteranopia

15.0561, 0.4495, 0.4421



Tritanopia

15.0591, 0.3306, 0.3134

Trichromacy



Original Color

15.0381, 0.4144, 0.4731

Protanomaly

15.0346, 0.4202, 0.4688

Deuteranomaly

15.0907, 0.4360, 0.4539

Tritanomaly

14.9822, 0.3673, 0.3778

Monochromacy



Original Color

15.0381, 0.4144, 0.4731

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

14.0320, 0.3544, 0.3923

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0381, 0.4144, 0.4731 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(117, 110, 32)` looks like.

```
.text, #text, p{  
    color:rgb(117, 110, 32)  
}
```

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(117, 110, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 110, 32) }
```

Border

The CSS property to change the border of an element to Yxy 15.0381, 0.4144, 0.4731 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(117, 110, 32) }
```

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

```
.border{ border-color:rgb(117, 110, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 110, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 110, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 110, 32);  
box-shadow:4px 4px 4px 4px rgb(117, 110,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 15.0381, 0.4144, 0.4731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 110, 32) }
```

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

```
.background{ background-color: rgb(117,  
110, 32) }
```

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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