

Converting Colors

$Y_{xy}(12.6758, 0.4304, 0.4646)$

Have a look what the booklet for
Yxy(12.6758, 0.4304, 0.4646)
contains.

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Color

Yxy(12.6477, 0.4307, 0.4643)

Conversions

Conversions Part 1

Format	Color
Hex	73631B
RGB	115, 99, 27
RGB Percent	45%, 39%, 11%
CMY	0.5489, 0.6118, 0.8941
CMYK	0.00, 0.14, 0.77, 0.55
HSL	49°, 62%, 28%
HSV	49°, 77%, 45%
XYZ	11.7324, 12.6477, 2.8602
YIQ	95.5760, 32.6480, -19.0000

Conversions

Conversions Part 2

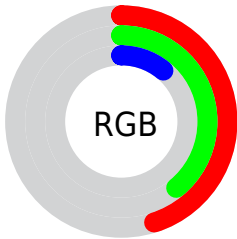
Format	Color
R_{YB}	47, 115, 27
Decimal	7562011
CIE _{Lab}	42.23, -2.03, 40.94
CIE _{LCh}	42, 40.989, 92.834
Yxy	12.6477, 0.4307, 0.4643
Android (android.graphics.Color)	4285752091 (0xFF73631B)
YUV	95.5760, -33.8080, 17.0348
Hunter-Lab	35.5636, -3.3492, 20.1261

Details

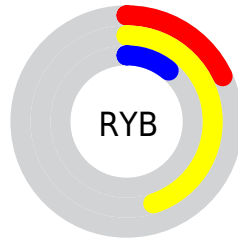
The Yxy color **12.6477, 0.4307, 0.4643** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.2022, 0.1822, 0.1322**, and the grayscale version is **11.6678, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.5627, 0.4066, 0.4340**, and **3.6362, 0.4488, 0.4818** is the 20% darker color. If you saturate the color by 10%, you get **12.2133, 0.4418, 0.4721**, and if you desaturate by 10%, it is **13.1145, 0.4173, 0.4525**.

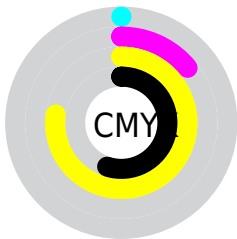
Distribution



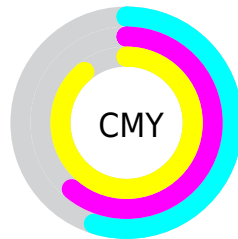
- Red (45%)
- Green (39%)
- Blue (11%)



- Red (18%)
- Yellow (45%)
- Blue (11%)



- Cyan (0%)
- Magenta (14%)
- Yellow (77%)
- Black (55%)




- Cyan (55%)
- Magenta (61%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6477, 0.4307, 0.4643 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 12.6477, 0.4307, 0.4643 by changing the saturation by 10% instead.


 12.6477, 0.4307,
0.4643


 12.6477, 0.4307,
0.4643


 208.6473, 0.3640,
0.3866


 7.1864, 0.4469,
0.4842


 30.6694, 0.4056,
0.4345


 3.5789, 0.4780,
0.5220

 43.9986, 0.3963,
0.4236

 1.4409, 0.4747,
0.5253

 60.7192, 0.3885,
0.4147

 0.2466, 0.4285,
0.5715

 81.2156, 0.3820,
0.4072

 0.0000, 0.0000,
0.0000

 105.8722, 0.3764,
0.4008

 135.0735, 0.3717,

0.3954

169.2037, 0.3676,
0.3907

12.6477, 0.4307,
0.4643

12.6477, 0.4307,
0.4643

12.2133, 0.4418,
0.4721

13.1145, 0.4173,
0.4525

11.8045, 0.4508,
0.4764

13.6141, 0.4023,
0.4375

11.6653, 0.4539,
0.4778

14.1492, 0.3861,
0.4199

14.7214, 0.3696,
0.4008

15.3324, 0.3531,
0.3809

■ 15.9838, 0.3372,
0.3609

■ 16.6770, 0.3220,
0.3413

■ 17.4132, 0.3079,
0.3226

■ 18.1938, 0.2949,
0.3048

Harmonies

Analogous

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



12.6477, 0.4793, 0.4064



12.6477, 0.4307, 0.4643



12.6477, 0.3548, 0.4930

Triad

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



12.6477, 0.4307, 0.4643



12.6477, 0.1698, 0.2782



12.6477, 0.3363, 0.2355

Complementary

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



12.6477, 0.4307, 0.4643



3.2022, 0.1822, 0.1322

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.



12.6477, 0.2521, 0.2056



12.6477, 0.4307, 0.4643



12.6477, 0.1670, 0.2216

Square

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



12.6477, 0.4307, 0.4643



12.6477, 0.2053, 0.3686



12.6477, 0.1943, 0.1995



12.6477, 0.4249, 0.2841

Rectangle

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



12.6477, 0.4307, 0.4643



12.6477, 0.2992, 0.4782



12.6477, 0.1943, 0.1995



12.6477, 0.3061, 0.2231

Sweetspot

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



12.6483, 0.4307, 0.4643



27.7755, 0.3484, 0.3751



4.6063, 0.5172, 0.3014



6.5462, 0.3532, 0.3810



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.



12.6483, 0.4307, 0.4643



21.2817, 0.4488, 0.4753



14.3799, 0.3680, 0.5149



4.1583, 0.3258, 0.3462



13.3018, 0.4542, 0.4776



63.6749, 0.4564, 0.4758

Inverse Universe

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



3.2022, 0.1822, 0.1322



3.6334, 0.1615, 0.0922



2.8316, 0.2073, 0.1161



3.6879, 0.2995, 0.3111



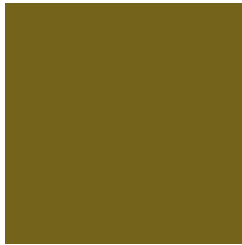
2.0001, 0.1560, 0.0814



8.8121, 0.1541, 0.0746

Previews

White Background



This preview shows how the Yxy color 12.6477, 0.4307, 0.4643 looks on a white background.

Color Contrast Check

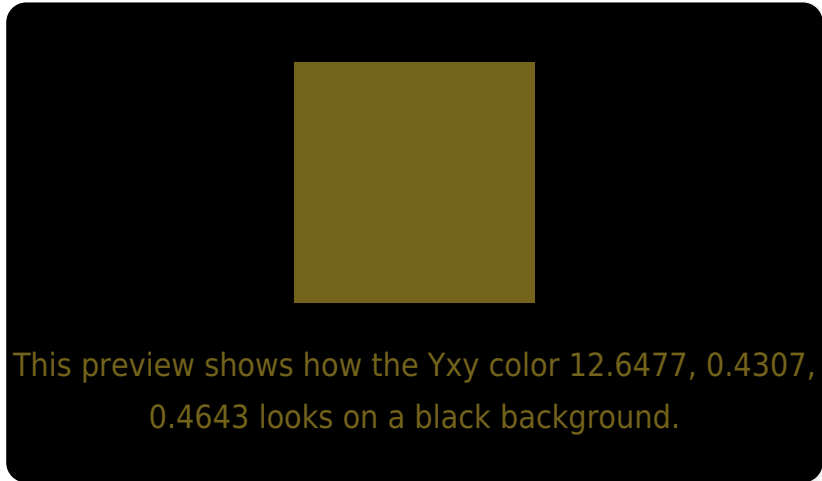
Large Text (above 18pt) WCAG AA ✓ Pass

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

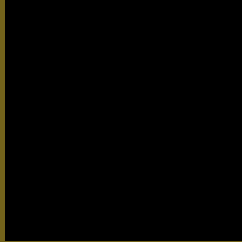
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.6477, 0.4307, 0.4643

Background



This preview shows how black text looks on a background with the Yxy color 12.6477, 0.4307, 0.4643.



This preview shows how white text looks on a background with the Yxy color 12.6477, 0.4307, 0.4643.

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

12.6477, 0.4307, 0.4643

Protanopia

12.6382, 0.4244, 0.4690

Deuteranopia

12.6331, 0.4508, 0.4459



Tritanopia

12.5482, 0.3467, 0.3147

Trichromacy



Original Color

12.6477, 0.4307, 0.4643

Protanomaly

12.7042, 0.4260, 0.4679

Deuteranomaly

12.5145, 0.4439, 0.4525

Tritanomaly

12.5170, 0.3830, 0.3756

Monochromacy



Original Color

12.6477, 0.4307, 0.4643

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.8879, 0.3600, 0.3889

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6477, 0.4307, 0.4643 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(115, 99, 27)` looks like.

```
.text, #text, p{  
    color:rgb(115, 99, 27)  
}
```

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(115, 99, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 99, 27) }
```

Border

The CSS property to change the border of an element to Yxy 12.6477, 0.4307, 0.4643 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(115, 99, 27) }
```

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

```
.border{ border-color:rgb(115, 99, 27) }
```

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

Here you see how a box with a 4 pixel rgb(115, 99, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 99, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 99, 27);  
box-shadow:4px 4px 4px 4px rgb(115, 99,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 12.6477, 0.4307, 0.4643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 99, 27) }
```

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

```
.background{ background-color: rgb(115, 99,  
27) }
```

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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