

Converting Colors

$Y_{xy}(11.7240, 0.4326, 0.4406)$

Have a look what the booklet for
Yxy(11.7240, 0.4326, 0.4406)
contains.

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Color

Yxy(11.6753, 0.4317, 0.4401)

Conversions

Conversions Part 1

Format	Color
Hex	745D25
RGB	116, 93, 37
RGB Percent	45%, 36%, 15%
CMY	0.5450, 0.6353, 0.8549
CMYK	0.00, 0.20, 0.68, 0.55
HSL	43°, 52%, 30%
HSV	43°, 68%, 45%
XYZ	11.4525, 11.6753, 3.4010
YIQ	93.4930, 31.6840, -12.5400

Conversions

Conversions Part 2

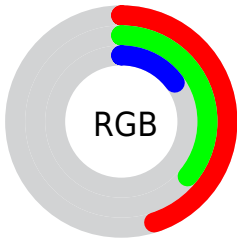
Format	Color
RYB	69, 116, 37
Decimal	7626021
CIELab	40.70, 2.58, 34.76
CIELCh	41, 34.860, 85.753
Yxy	11.6753, 0.4317, 0.4401
Android (android.graphics.Color)	4285816101 (0xFF745D25)
YUV	93.4930, -27.8510, 19.7386
Hunter-Lab	34.1691, 0.0318, 18.0170

Details

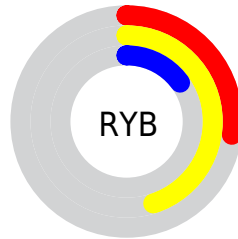
The Yxy color **11.6753, 0.4317, 0.4401** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **4.8897, 0.2005, 0.1771**, and the grayscale version is **11.1297, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.8468, 0.4030, 0.4146**, and **3.1568, 0.4705, 0.4646** is the 20% darker color. If you saturate the color by 10%, you get **11.0339, 0.4487, 0.4497**, and if you desaturate by 10%, it is **12.3673, 0.4133, 0.4271**.

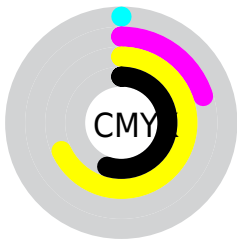
Distribution



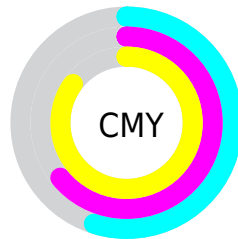
- Red (45%)
- Green (36%)
- Blue (15%)



- Red (27%)
- Yellow (45%)
- Blue (15%)



- Cyan (0%)
- Magenta (20%)
- Yellow (68%)
- Black (55%)




- Cyan (55%)
- Magenta (64%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.6753, 0.4317, 0.4401 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 11.6753, 0.4317, 0.4401 by changing the saturation by 10% instead.


 11.6753, 0.4317,
0.4401

 11.6753, 0.4317,
0.4401


 202.2437, 0.3616,
0.3758


 6.5230, 0.4515,
0.4572


 28.9023, 0.4039,
0.4151


 3.1656, 0.4944,
0.4955

 41.7458, 0.3940,
0.4061


 1.2188, 0.5039,
0.4961

 57.9219, 0.3860,
0.3987

 0.0770, 0.6389,
0.3611

 77.8148, 0.3794,
0.3926

 0.0000, 0.0000,
0.0000

 101.8091, 0.3739,
0.3874

 130.2891, 0.3692,

0.3829

163.6391, 0.3651,
0.3791

11.6753, 0.4317,
0.4401

11.6753, 0.4317,
0.4401

11.0339, 0.4487,
0.4497

12.3673, 0.4133,
0.4271

10.4386, 0.4635,
0.4552

13.1105, 0.3944,
0.4117

9.8834, 0.4766,
0.4573

13.9075, 0.3756,
0.3948

9.7809, 0.4791,
0.4578

14.7602, 0.3575,
0.3772

15.6705, 0.3404,
0.3596

■ 16.6401, 0.3246,
0.3424

■ 17.6706, 0.3101,
0.3259

■ 18.7634, 0.2969,
0.3104

■ 19.9200, 0.2850,
0.2960

Harmonies

Analogous

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



11.6753, 0.4644, 0.3876



11.6753, 0.4317, 0.4401



11.6753, 0.3692, 0.4706

Triad

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



11.6753, 0.4317, 0.4401



11.6753, 0.1903, 0.3024



11.6753, 0.3152, 0.2374

Complementary

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



11.6753, 0.4317, 0.4401



4.8897, 0.2005, 0.1771

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.



11.6753, 0.2448, 0.2151



11.6753, 0.4317, 0.4401



11.6753, 0.1802, 0.2437

Square

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



11.6753, 0.4317, 0.4401



11.6753, 0.2303, 0.3839



11.6753, 0.1987, 0.2158



11.6753, 0.3941, 0.2782

Rectangle

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



11.6753, 0.4317, 0.4401



11.6753, 0.3200, 0.4653



11.6753, 0.1987, 0.2158



11.6753, 0.2897, 0.2276

Sweetspot

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



11.6759, 0.4317, 0.4401



27.1434, 0.3444, 0.3638



5.3717, 0.4573, 0.2823



6.3896, 0.3482, 0.3677



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.



11.6759, 0.4317, 0.4401



18.7552, 0.4579, 0.4535



15.3497, 0.3789, 0.4904



4.0947, 0.3260, 0.3440



10.9408, 0.4795, 0.4574



51.7848, 0.4836, 0.4542

Inverse Universe

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



4.8897, 0.2005, 0.1771



6.0086, 0.1784, 0.1379



3.3369, 0.2068, 0.1308



3.7478, 0.2995, 0.3136



2.6565, 0.1621, 0.1036



11.6362, 0.1597, 0.0947

Previews

White Background



This preview shows how the Yxy color 11.6753, 0.4317, 0.4401 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 11.6753, 0.4317, 0.4401 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

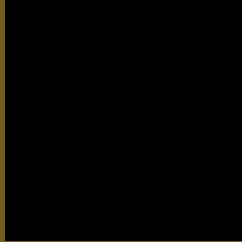
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.6753, 0.4317, 0.4401

Background



This preview shows how black text looks on a background with the Yxy color 11.6753, 0.4317, 0.4401.



This preview shows how white text looks on a background with the Yxy color 11.6753, 0.4317, 0.4401.

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

11.6753, 0.4317, 0.4401

Protanopia

11.6315, 0.4115, 0.4517

Deuteranopia

11.6088, 0.4411, 0.4332



Tritanopia

11.6176, 0.3567, 0.3146

Trichromacy



Original Color

11.6753, 0.4317, 0.4401

Protanomaly

11.6394, 0.4179, 0.4473

Deuteranomaly

11.7098, 0.4380, 0.4358

Tritanomaly

11.5477, 0.3893, 0.3630

Monochromacy



Original Color

11.6753, 0.4317, 0.4401

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.0764, 0.3560, 0.3761

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.6753, 0.4317, 0.4401 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, 93, 37)` looks like.

```
.text, #text, p{  
    color:rgb(116, 93, 37)  
}
```

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, 93, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 93, 37) }
```

Border

The CSS property to change the border of an element to Yxy 11.6753, 0.4317, 0.4401 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, 93, 37) }
```

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

```
.border{ border-color:rgb(116, 93, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 93, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 93, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 93, 37);  
box-shadow:4px 4px 4px 4px rgb(116, 93,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 11.6753, 0.4317, 0.4401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 93, 37) }
```

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

```
.background{ background-color: rgb(116, 93,  
37) }
```

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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