

Converting Colors

$Y_{xy}(12.3162, 0.4195, 0.4264)$

Have a look what the booklet for
Yxy(12.3162, 0.4195, 0.4264)
contains.

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Color

$Y_{xy}(12.2412, 0.4203, 0.4260)$

Conversions

Conversions Part 1

Format	Color
Hex	765F2F
RGB	118, 95, 47
RGB Percent	46%, 37%, 18%
CMY	0.5372, 0.6275, 0.8156
CMYK	0.00, 0.19, 0.60, 0.54
HSL	41°, 43%, 32%
HSV	41°, 60%, 46%
XYZ	12.0774, 12.2412, 4.4166
YIQ	96.4050, 29.1160, -10.0520

Conversions

Conversions Part 2

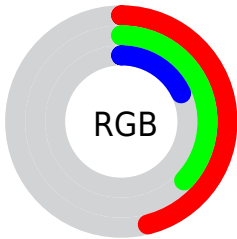
Format	Color
R_{YB}	81, 118, 47
Decimal	7757615
CIE Lab	41.60, 3.11, 30.59
CIE LCh	42, 30.744, 84.197
Yxy	12.2412, 0.4203, 0.4260
Android (android.graphics.Color)	4285947695 (0xFF765F2F)
YUV	96.4050, -24.3567, 18.9388
Hunter-Lab	34.9874, 0.3889, 17.0068

Details

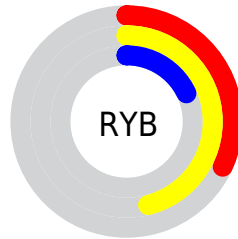
The Yxy color **12.2412, 0.4203, 0.4260** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **6.2954, 0.2145, 0.2035**, and the grayscale version is **11.8567, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.8477, 0.3941, 0.4028**, and **3.3899, 0.4690, 0.4658** is the 20% darker color. If you saturate the color by 10%, you get **11.4869, 0.4396, 0.4378**, and if you desaturate by 10%, it is **13.0563, 0.4004, 0.4116**.

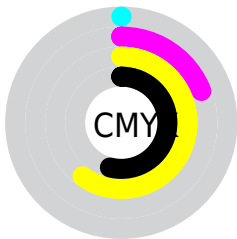
Distribution



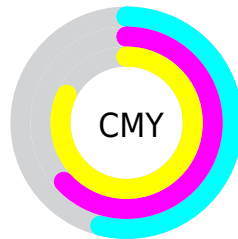
- Red (46%)
- Green (37%)
- Blue (18%)



- Red (32%)
- Yellow (46%)
- Blue (18%)



- Cyan (0%)
- Magenta (19%)
- Yellow (60%)
- Black (54%)





- Cyan (54%)
- Magenta (63%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.2412, 0.4203, 0.4260 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 12.2412, 0.4203, 0.4260 by changing the saturation by 10% instead.


 12.2412, 0.4203,
0.4260


 12.2412, 0.4203,
0.4260


205.9956, 0.3564,
0.3696

 6.9082, 0.4394,
0.4419


 29.9336, 0.3945,
0.4037


 3.4047, 0.4696,
0.4667

 43.0618, 0.3856,
0.3958


 1.3465, 0.5066,
0.4934

 59.5572, 0.3784,
0.3894

 0.1768, 0.5798,
0.4202

 79.8042, 0.3724,
0.3840

 0.0000, 0.0000,
0.0000

 104.1871, 0.3674,
0.3795

 133.0904, 0.3632,

0.3757

166.8984, 0.3596,
0.3724

■ 12.2412, 0.4203,
0.4260

■ 12.2412, 0.4203,
0.4260

■ 11.4869, 0.4396,
0.4378

■ 13.0563, 0.4004,
0.4116

■ 10.7890, 0.4576,
0.4460

■ 13.9327, 0.3808,
0.3955

■ 10.1452, 0.4732,
0.4500

■ 14.8733, 0.3619,
0.3787

■ 9.5551, 0.4875,
0.4512

■ 15.8800, 0.3442,
0.3617

■ 16.9549, 0.3279,
0.3451

■ 18.0996, 0.3129,
0.3293

■ 19.3159, 0.2995,
0.3143

■ 20.6055, 0.2874,
0.3003

■ 21.9699, 0.2765,
0.2873

Harmonies

Analogous

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



12.2412, 0.4458, 0.3803



12.2412, 0.4203, 0.4260



12.2412, 0.3670, 0.4514

Triad

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



12.2412, 0.4203, 0.4260



12.2412, 0.2059, 0.3104



12.2412, 0.3119, 0.2463

Complementary

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



12.2412, 0.4203, 0.4260



6.2954, 0.2145, 0.2035

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.



12.2412, 0.2507, 0.2273



12.2412, 0.4203, 0.4260



12.2412, 0.1950, 0.2570

Square

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



12.2412, 0.4203, 0.4260



12.2412, 0.2436, 0.3802



12.2412, 0.2103, 0.2298



12.2412, 0.3803, 0.2824

Rectangle

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



12.2412, 0.4203, 0.4260



12.2412, 0.3240, 0.4469



12.2412, 0.2103, 0.2298



12.2412, 0.2898, 0.2378

Sweetspot

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



12.2418, 0.4203, 0.4260



28.2341, 0.3413, 0.3589



6.3368, 0.4259, 0.2807



6.3922, 0.3453, 0.3628



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.



12.2418, 0.4203, 0.4260



19.7384, 0.4464, 0.4413



16.2387, 0.3773, 0.4729



4.0757, 0.3261, 0.3433



10.3128, 0.4878, 0.4509



48.6505, 0.4924, 0.4472

Inverse Universe

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



6.2954, 0.2145, 0.2035



8.3357, 0.1936, 0.1698



4.2671, 0.2173, 0.1524



3.7658, 0.2995, 0.3143



2.9102, 0.1644, 0.1116



12.7782, 0.1618, 0.1025

Previews

White Background



This preview shows how the Yxy color 12.2412, 0.4203, 0.4260 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 12.2412, 0.4203, 0.4260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

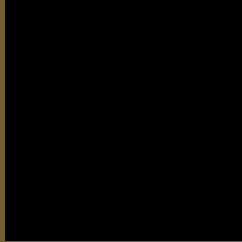
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.2412, 0.4203, 0.4260

Background



This preview shows how black text looks on a background with the Yxy color 12.2412, 0.4203, 0.4260.



This preview shows how white text looks on a background with the Yxy color 12.2412, 0.4203, 0.4260.

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

12.2412, 0.4203, 0.4260

Protanopia

12.2000, 0.4007, 0.4362

Deuteranopia

12.2756, 0.4264, 0.4221



Tritanopia

12.2944, 0.3555, 0.3169

Trichromacy



Original Color

12.2412, 0.4203, 0.4260

Protanomaly

12.2075, 0.4068, 0.4322

Deuteranomaly

12.2037, 0.4248, 0.4228

Tritanomaly

12.2693, 0.3822, 0.3583

Monochromacy



Original Color

12.2412, 0.4203, 0.4260

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.8589, 0.3518, 0.3703

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2412, 0.4203, 0.4260 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(118, 95, 47)` looks like.

```
.text, #text, p{  
    color:rgb(118, 95, 47)  
}
```

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(118, 95, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 95, 47) }
```

Border

The CSS property to change the border of an element to Yxy 12.2412, 0.4203, 0.4260 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(118, 95, 47) }
```

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

```
.border{ border-color:rgb(118, 95, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 95, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 95, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 95, 47);  
box-shadow:4px 4px 4px 4px rgb(118, 95,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2412, 0.4203, 0.4260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 95, 47) }
```

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

```
.background{ background-color: rgb(118, 95,  
47) }
```

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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