

Converting Colors

$Y_{xy}(11.7303, 0.4135, 0.4041)$

Have a look what the booklet for
Yxy(11.7303, 0.4135, 0.4041)
contains.

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Color

Yxy(11.7817, 0.4130, 0.4059)

Conversions

Conversions Part 1

Format	Color
Hex	765C37
RGB	118, 92, 55
RGB Percent	46%, 36%, 22%
CMY	0.5373, 0.6392, 0.7843
CMYK	0.00, 0.22, 0.53, 0.54
HSL	35°, 36%, 34%
HSV	35°, 53%, 46%
XYZ	11.9878, 11.7817, 5.2566
YIQ	95.5560, 27.3730, -5.9950

Conversions

Conversions Part 2

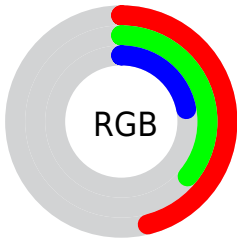
Format	Color
RYB	99, 118, 55
Decimal	7756855
CIELab	40.87, 5.63, 25.22
CIELCh	41, 25.843, 77.414
Yxy	11.7817, 0.4130, 0.4059
Android (android.graphics.Color)	4285946935 (0xFF765C37)
YUV	95.5560, -19.9941, 19.6834
Hunter-Lab	34.3245, 2.2731, 14.9472

Details

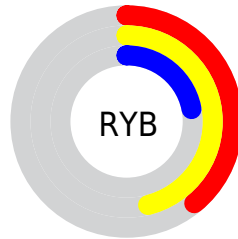
The Yxy color **11.7817, 0.4130, 0.4059** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.0043, 0.2286, 0.2350**, and the grayscale version is **11.6288, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.0959, 0.3877, 0.3872**, and **3.1714, 0.4607, 0.4359** is the 20% darker color. If you saturate the color by 10%, you get **10.8656, 0.4358, 0.4179**, and if you desaturate by 10%, it is **12.7802, 0.3909, 0.3921**.

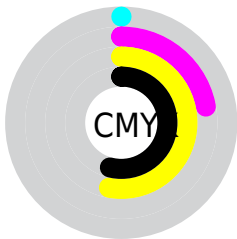
Distribution



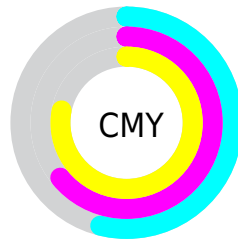
- Red (46%)
- Green (36%)
- Blue (22%)



- Red (39%)
- Yellow (46%)
- Blue (22%)



- Cyan (0%)
- Magenta (22%)
- Yellow (53%)
- Black (54%)





- Cyan (54%)
- Magenta (64%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.7817, 0.4130, 0.4059 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 11.7817, 0.4130, 0.4059 by changing the saturation by 10% instead.


 11.7817, 0.4130,
0.4059


 11.7817, 0.4130,
0.4059


202.9547, 0.3523,
0.3609


 6.5952, 0.4325,
0.4190


 29.0969, 0.3878,
0.3879


 3.2103, 0.4609,
0.4368

 41.9944, 0.3794,
0.3817

 1.2425, 0.5229,
0.4771

 58.2310, 0.3726,
0.3765

 0.0960, 0.7044,
0.2956

 78.1911, 0.3670,
0.3723

 0.0000, 0.0000,
0.0000

 102.2592, 0.3624,
0.3688

 130.8195, 0.3585,

0.3658

164.2565, 0.3551,
0.3632

■ 11.7817, 0.4130,
0.4059

■ 11.7817, 0.4130,
0.4059

■ 10.8656, 0.4358,
0.4179

■ 12.7802, 0.3909,
0.3921

■ 10.0273, 0.4583,
0.4270

■ 13.8622, 0.3700,
0.3773

■ 9.2641, 0.4795,
0.4323

■ 15.0308, 0.3508,
0.3624

■ 8.5719, 0.4984,
0.4330

■ 16.2885, 0.3333,
0.3477

■ 8.1459, 0.5108,
0.4326

■ 17.6376, 0.3176,
0.3336

■ 19.0802, 0.3036,
0.3203

■ 20.6185, 0.2912,
0.3079

■ 22.2546, 0.2802,
0.2964

■ 23.9904, 0.2705,
0.2858

Harmonies

Analogous

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



11.7817, 0.4268, 0.3651



11.7817, 0.4130, 0.4059



11.7817, 0.3721, 0.4311

Triad

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



11.7817, 0.4130, 0.4059



11.7817, 0.2261, 0.3269



11.7817, 0.2995, 0.2518

Complementary

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



11.7817, 0.4130, 0.4059



8.0043, 0.2286, 0.2350

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.



11.7817, 0.2497, 0.2394



11.7817, 0.4130, 0.4059



11.7817, 0.2106, 0.2766

Square

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



11.7817, 0.4130, 0.4059



11.7817, 0.2641, 0.3849



11.7817, 0.2189, 0.2469



11.7817, 0.3579, 0.2807

Rectangle

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



11.7817, 0.4130, 0.4059



11.7817, 0.3363, 0.4315



11.7817, 0.2189, 0.2469



11.7817, 0.2813, 0.2456

Sweetspot

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



11.7823, 0.4130, 0.4059



27.9592, 0.3384, 0.3521



7.1817, 0.3945, 0.2742



6.3479, 0.3411, 0.3544



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.



11.7823, 0.4130, 0.4059



18.7693, 0.4408, 0.4202



16.7263, 0.3792, 0.4548



4.0249, 0.3263, 0.3415



8.7880, 0.5112, 0.4323



41.1065, 0.5175, 0.4273

Inverse Universe

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



8.0043, 0.2286, 0.2350



11.3862, 0.2101, 0.2086



5.0089, 0.2225, 0.1710



3.8151, 0.2995, 0.3162



3.7397, 0.1712, 0.1362



16.6190, 0.1686, 0.1267

Previews

White Background



This preview shows how the Yxy color 11.7817, 0.4130, 0.4059 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 11.7817, 0.4130, 0.4059 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 11.7817, 0.4130, 0.4059

Background



This preview shows how black text looks on a background with the Yxy color 11.7817, 0.4130, 0.4059.



This preview shows how white text looks on a background with the Yxy color 11.7817, 0.4130, 0.4059.

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

11.7817, 0.4130, 0.4059

Protanopia

11.9090, 0.3850, 0.4185

Deuteranopia

11.7817, 0.4130, 0.4059



Tritanopia

11.6895, 0.3584, 0.3147

Trichromacy



Original Color

11.7817, 0.4130, 0.4059

Protanomaly

11.7849, 0.3950, 0.4143

Deuteranomaly

11.7817, 0.4130, 0.4059

Tritanomaly

11.7170, 0.3793, 0.3481

Monochromacy



Original Color

11.7817, 0.4130, 0.4059

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.7216, 0.3477, 0.3611

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7817, 0.4130, 0.4059 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, 92, 55)` looks like.

```
.text, #text, p{  
    color:rgb(118, 92, 55)  
}
```

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, 92, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 92, 55) }
```

Border

The CSS property to change the border of an element to Yxy 11.7817, 0.4130, 0.4059 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, 92, 55) }
```

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

```
.border{ border-color:rgb(118, 92, 55) }
```

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

Here you see how a box with a 4 pixel rgb(118, 92, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 92, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 92, 55);  
box-shadow:4px 4px 4px 4px rgb(118, 92,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 11.7817, 0.4130, 0.4059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 92, 55) }
```

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

```
.background{ background-color: rgb(118, 92,  
55) }
```

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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