

Converting Colors

$Y_{xy}(11.8666, 0.3482, 0.3157)$

Have a look what the booklet for
Yxy(11.8666, 0.3482, 0.3157)
contains.

Yxy(11.7712, 0.3477, 0.3144)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(11.7712, 0.3477, 0.3144)

Conversions

Conversions Part 1

Format	Color
Hex	755960
RGB	117, 89, 96
RGB Percent	46%, 35%, 38%
CMY	0.5412, 0.6509, 0.6235
CMYK	0.00, 0.24, 0.18, 0.54
HSL	345°, 14%, 40%
HSV	345°, 24%, 46%
XYZ	13.0180, 11.7712, 12.6510
YIQ	98.1700, 14.4410, 8.1130

Conversions

Conversions Part 2

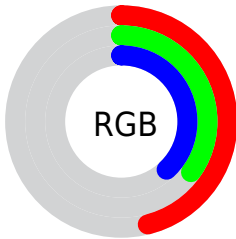
Format	Color
R_{YB}	117, 89, 96
Decimal	7690592
CIE Lab	40.85, 12.69, 0.42
CIE LCh	41, 12.697, 1.916
Yxy	11.7712, 0.3477, 0.3144
Android (android.graphics.Color)	4285880672 (0xFF755960)
YUV	98.1700, -1.0698, 16.5139
Hunter-Lab	34.3092, 7.6873, 2.1540

Details

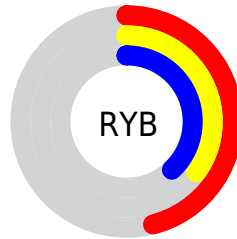
The Yxy color **11.7712, 0.3477, 0.3144** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.9689, 0.2865, 0.3442**, and the grayscale version is **12.2586, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.9756, 0.3386, 0.3187**, and **3.1870, 0.3662, 0.3052** is the 20% darker color. If you saturate the color by 10%, you get **9.8240, 0.3679, 0.3079**, and if you desaturate by 10%, it is **14.0470, 0.3310, 0.3207**.

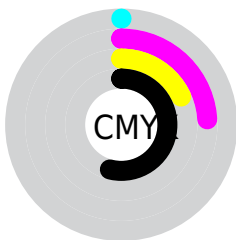
Distribution



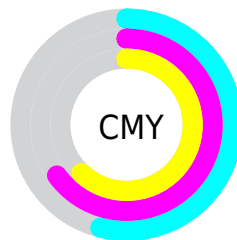
- Red (46%)
- Green (35%)
- Blue (38%)



- Red (46%)
- Yellow (35%)
- Blue (38%)



- Cyan (0%)
- Magenta (24%)
- Yellow (18%)
- Black (54%)





- Cyan (54%)
- Magenta (65%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.7712, 0.3477, 0.3144 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 11.7712, 0.3477, 0.3144 by changing the saturation by 10% instead.


 11.7712, 0.3477,
0.3144


 11.7712, 0.3477,
0.3144


202.8846, 0.3262,
0.3234


 6.5881, 0.3552,
0.3112


 29.0777, 0.3386,
0.3182


 3.2059, 0.3667,
0.3064

 41.9699, 0.3356,
0.3195

 1.2401, 0.3868,
0.2978

 58.2005, 0.3332,
0.3205

 0.0941, 0.7052,
0.1662

 78.1540, 0.3313,
0.3213

 0.0000, 0.0000,
0.0000

 102.2148, 0.3297,
0.3219

130.7672, 0.3284,

0.3225

164.1957, 0.3272,
0.3230

■ 11.7712, 0.3477,
0.3144

■ 11.7712, 0.3477,
0.3144

■ 9.8240, 0.3679,
0.3079

■ 14.0470, 0.3310,
0.3207

■ 8.1886, 0.3923,
0.3016

■ 16.6639, 0.3174,
0.3268

■ 6.8492, 0.4211,
0.2960

■ 19.6358, 0.3062,
0.3324

■ 5.7878, 0.4541,
0.2918

■ 22.9755, 0.2970,
0.3375

■ 4.9847, 0.4904,
0.2898

■ 26.6948, 0.2894,
0.3423

■ 4.4173, 0.5277,
0.2912

■ 30.8052, 0.2831,
0.3466

■ 4.0541, 0.5629,
0.2960

■ 35.3177, 0.2779,
0.3505

■ 3.8705, 0.5835,
0.2988

■ 40.2429, 0.2736,
0.3541

■ 45.5909, 0.2699,
0.3574

Harmonies

Analogous

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



11.7712, 0.3209, 0.2952



11.7712, 0.3477, 0.3144



11.7712, 0.3652, 0.3377

Triad

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



11.7712, 0.3477, 0.3144



11.7712, 0.3310, 0.3785



11.7712, 0.2604, 0.2951

Complementary

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



11.7712, 0.3477, 0.3144



15.9689, 0.2865, 0.3442

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.



11.7712, 0.2629, 0.3166



11.7712, 0.3477, 0.3144



11.7712, 0.3028, 0.3666

Square

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



11.7712, 0.3477, 0.3144



11.7712, 0.3550, 0.3754



11.7712, 0.2781, 0.3432



11.7712, 0.2711, 0.2837

Rectangle

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



11.7712, 0.3477, 0.3144



11.7712, 0.3687, 0.3530



11.7712, 0.2781, 0.3432



11.7712, 0.2598, 0.3013

Sweetspot

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



11.7717, 0.3477, 0.3144



28.2480, 0.3215, 0.3248



11.7449, 0.3048, 0.2709



6.4518, 0.3221, 0.3246



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.



11.7717, 0.3477, 0.3144



18.9798, 0.3590, 0.3106



12.8687, 0.3559, 0.3439



3.7145, 0.3240, 0.3237



4.2635, 0.5846, 0.2994



20.6577, 0.5974, 0.3065

Inverse Universe

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



11.7717, 0.3477, 0.3144



18.9798, 0.3590, 0.3106



14.5581, 0.2780, 0.3136



3.7145, 0.3240, 0.3237



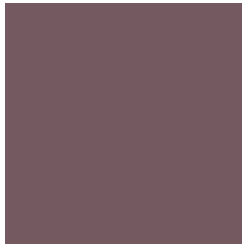
4.2635, 0.5846, 0.2994



20.6577, 0.5974, 0.3065

Previews

White Background



This preview shows how the Yxy color 11.7712, 0.3477, 0.3144 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 11.7712, 0.3477, 0.3144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

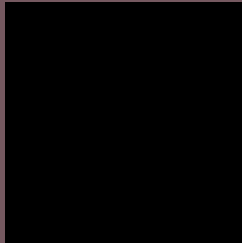
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.7712, 0.3477, 0.3144

Background



This preview shows how black text looks on a background with the Yxy color 11.7712, 0.3477, 0.3144.



This preview shows how white text looks on a background with the Yxy color 11.7712, 0.3477, 0.3144.

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

11.7712, 0.3477, 0.3144

Protanopia

11.8272, 0.3086, 0.3198

Deuteranopia

11.7191, 0.3303, 0.3246



Tritanopia

11.7712, 0.3477, 0.3144

Trichromacy



Original Color

11.7712, 0.3477, 0.3144

Protanomaly

11.6726, 0.3211, 0.3157

Deuteranomaly

11.7955, 0.3370, 0.3225

Tritanomaly

11.7712, 0.3477, 0.3144

Monochromacy



Original Color

11.7712, 0.3477, 0.3144

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.0507, 0.3253, 0.3246

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7712, 0.3477, 0.3144 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, 89, 96)` looks like.

```
.text, #text, p{  
    color:rgb(117, 89, 96)  
}
```

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, 89, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 89, 96) }
```

Border

The CSS property to change the border of an element to Yxy 11.7712, 0.3477, 0.3144 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, 89, 96) }
```

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

```
.border{ border-color:rgb(117, 89, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 89, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 89, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 89, 96);  
box-shadow:4px 4px 4px 4px rgb(117, 89,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 11.7712, 0.3477, 0.3144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 89, 96) }
```

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

```
.background{ background-color: rgb(117, 89,  
96) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor