

Converting Colors

$Y_{xy}(11.8796, 0.3231, 0.2730)$

Have a look what the booklet for
Yxy(11.8796, 0.3231, 0.2730)
contains.

Yxy(11.7924, 0.3233, 0.2728)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(11.7924, 0.3233, 0.2728)

Conversions

Conversions Part 1

Format	Color
Hex	775672
RGB	119, 86, 114
RGB Percent	47%, 34%, 45%
CMY	0.5332, 0.6628, 0.5529
CMYK	0.00, 0.28, 0.04, 0.53
HSL	309°, 16%, 40%
HSV	309°, 28%, 47%
XYZ	13.9754, 11.7924, 17.4595
YIQ	99.0590, 10.6800, 15.7040

Conversions

Conversions Part 2

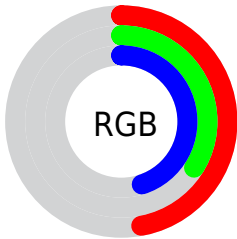
Format	Color
R_{YB}	119, 86, 114
Decimal	7820914
CIE _{Lab}	40.88, 18.71, -10.58
CIE _{LCh}	41, 21.496, 330.517
Yxy	11.7924, 0.3233, 0.2728
Android (android.graphics.Color)	4286010994 (0xFF775672)
YUV	99.0590, 7.3659, 17.4883
Hunter-Lab	34.3401, 12.5490, -6.1067

Details

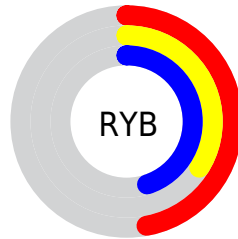
The Yxy color **11.7924, 0.3233, 0.2728** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **15.9334, 0.3037, 0.3926**, and the grayscale version is **12.4726, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.1321, 0.3212, 0.2861**, and **3.2130, 0.3275, 0.2466** is the 20% darker color. If you saturate the color by 10%, you get **10.0073, 0.3280, 0.2525**, and if you desaturate by 10%, it is **13.8959, 0.3191, 0.2934**.

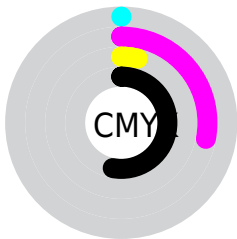
Distribution



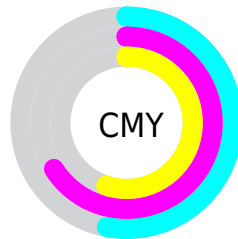
- Red (47%)
- Green (34%)
- Blue (45%)



- Red (47%)
- Yellow (34%)
- Blue (45%)



- Cyan (0%)
- Magenta (28%)
- Yellow (4%)
- Black (53%)



- Cyan (53%)
- Magenta (66%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.7924, 0.3233, 0.2728 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 11.7924, 0.3233, 0.2728 by changing the saturation by 10% instead.


 11.7924, 0.3233,
0.2728


 11.7924, 0.3233,
0.2728


203.0260, 0.3174,
0.3060


 6.6025, 0.3250,
0.2622


 29.1164, 0.3210,
0.2864


 3.2148, 0.3273,
0.2466

 42.0193, 0.3202,
0.2910

 1.2449, 0.3305,
0.2219

 58.2620, 0.3195,
0.2947

 0.0979, 0.3680,
0.0655

 78.2289, 0.3189,
0.2978

 0.0000, 0.0000,
0.0000

 102.3043, 0.3184,
0.3003

130.8727, 0.3180,

0.3025

164.3185, 0.3177,
0.3043

■ 11.7924, 0.3233,
0.2728

■ 11.7924, 0.3233,
0.2728

■ 10.0073, 0.3280,
0.2525

■ 13.8959, 0.3191,
0.2934

■ 8.5234, 0.3331,
0.2331

■ 16.3308, 0.3153,
0.3137

■ 7.3242, 0.3385,
0.2155

■ 19.1114, 0.3120,
0.3333

■ 6.3910, 0.3441,
0.2007

■ 22.2505, 0.3092,
0.3519

■ 5.7028, 0.3497,
0.1892

■ 25.7604, 0.3067,
0.3693

■ 5.2356, 0.3552,
0.1817

■ 29.6528, 0.3046,
0.3855

■ 4.9279, 0.3605,
0.1776

■ 33.9388, 0.3028,
0.4004

■ 4.8618, 0.3617,
0.1766

■ 38.6291, 0.3012,
0.4140

■ 43.7340, 0.3000,
0.4265

Harmonies

Analogous

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



11.7924, 0.2768, 0.2556



11.7924, 0.3233, 0.2728



11.7924, 0.3700, 0.3025

Triad

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



11.7924, 0.3233, 0.2728



11.7924, 0.3844, 0.4054



11.7924, 0.2314, 0.3081

Complementary

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



11.7924, 0.3233, 0.2728



15.9334, 0.3037, 0.3926

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.



11.7924, 0.2562, 0.3550



11.7924, 0.3233, 0.2728



11.7924, 0.3440, 0.4149

Square

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



11.7924, 0.3233, 0.2728



11.7924, 0.4062, 0.3765



11.7924, 0.2970, 0.3965



11.7924, 0.2268, 0.2724

Rectangle

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



11.7924, 0.3233, 0.2728



11.7924, 0.3934, 0.3267



11.7924, 0.2970, 0.3965



11.7924, 0.2375, 0.3231

Sweetspot

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



11.7929, 0.3233, 0.2728



29.0216, 0.3155, 0.3128



10.2082, 0.2740, 0.2550



6.7372, 0.3159, 0.3102



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



11.7929, 0.3233, 0.2728



19.0978, 0.3261, 0.2603



11.4514, 0.3496, 0.3051



3.7488, 0.3158, 0.3112



5.1619, 0.3619, 0.1767



25.0537, 0.3644, 0.1781

Inverse Universe

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



11.7929, 0.3233, 0.2728



19.0978, 0.3261, 0.2603



16.2491, 0.2861, 0.3544



3.7488, 0.3158, 0.3112



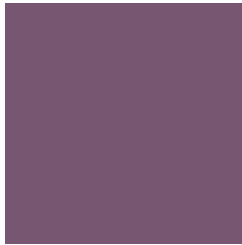
5.1619, 0.3619, 0.1767



25.0537, 0.3644, 0.1781

Previews

White Background



This preview shows how the Yxy color 11.7924, 0.3233, 0.2728 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 11.7924, 0.3233, 0.2728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

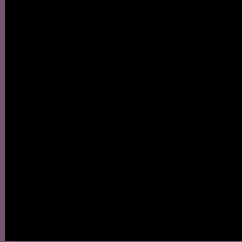
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.7924, 0.3233, 0.2728

Background



This preview shows how black text looks on a background with the Yxy color 11.7924, 0.3233, 0.2728.



This preview shows how white text looks on a background with the Yxy color 11.7924, 0.3233, 0.2728.

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

11.7924, 0.3233, 0.2728

Protanopia

11.9704, 0.2735, 0.2740

Deuteranopia

11.7719, 0.2939, 0.2892



Tritanopia

11.7712, 0.3477, 0.3144

Trichromacy



Original Color

11.7924, 0.3233, 0.2728

Protanomaly

11.7290, 0.2903, 0.2732

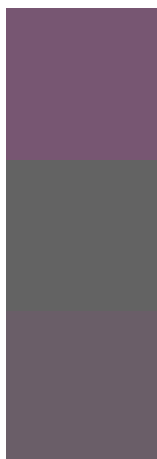
Deuteranomaly

11.7386, 0.3043, 0.2820

Tritanomaly

11.8103, 0.3384, 0.2981

Monochromacy



Original Color

11.7924, 0.3233, 0.2728

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.0691, 0.3168, 0.3072

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7924, 0.3233, 0.2728 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(119, 86, 114)` looks like.

```
.text, #text, p{  
    color:rgb(119, 86, 114)  
}
```

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(119, 86, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 86, 114) }
```

Border

The CSS property to change the border of an element to Yxy 11.7924, 0.3233, 0.2728 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(119, 86, 114) }
```

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

```
.border{ border-color:rgb(119, 86, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 86, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 86, 114); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 86, 114); box-shadow:4px 4px 4px 4px rgb(119, 86, 114) }
```


Background

The CSS property to change the background color of an element to Yxy 11.7924, 0.3233, 0.2728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 86, 114) }
```

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

```
.background{ background-color: rgb(119, 86,  
114) }
```

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