

Converting Colors

$Y_{xy}(12.5094, 0.3177, 0.2862)$

Have a look what the booklet for
Yxy(12.5094, 0.3177, 0.2862)
contains.

Yxy(12.4914, 0.3178, 0.2860)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.4914, 0.3178, 0.2860)

Conversions

Conversions Part 1

Format	Color
Hex	735C71
RGB	115, 92, 113
RGB Percent	45%, 36%, 44%
CMY	0.5489, 0.6392, 0.5568
CMYK	0.00, 0.20, 0.02, 0.55
HSL	305°, 11%, 41%
HSV	305°, 20%, 45%
XYZ	13.8803, 12.4914, 17.3045
YIQ	101.2710, 6.9670, 11.4070

Conversions

Conversions Part 2

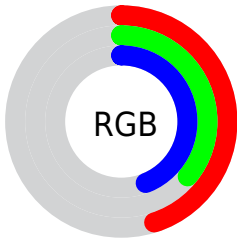
Format	Color
R_{YB}	115, 92, 113
Decimal	7560305
CIE Lab	41.99, 13.36, -8.36
CIE LCh	42, 15.759, 327.976
Yxy	12.4914, 0.3178, 0.2860
Android (android.graphics.Color)	4285750385 (0xFF735C71)
YUV	101.2710, 5.7824, 12.0403
Hunter-Lab	35.3432, 8.2516, -4.2890

Details

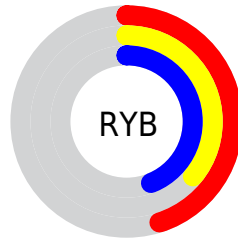
The Yxy color **12.4914, 0.3178, 0.2860** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.3495, 0.3080, 0.3761**, and the grayscale version is **13.0717, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.2781, 0.3164, 0.2956**, and **3.5289, 0.3208, 0.2667** is the 20% darker color. If you saturate the color by 10%, you get **10.6258, 0.3207, 0.2641**, and if you desaturate by 10%, it is **14.6609, 0.3151, 0.3078**.

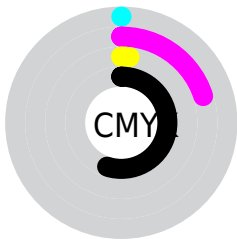
Distribution



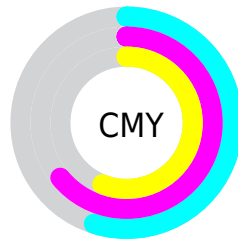
- Red (45%)
- Green (36%)
- Blue (44%)



- Red (45%)
- Yellow (36%)
- Blue (44%)



- Cyan (0%)
- Magenta (20%)
- Yellow (2%)
- Black (55%)



- Cyan (55%)
- Magenta (64%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.4914, 0.3178, 0.2860 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 12.4914, 0.3178, 0.2860 by changing the saturation by 10% instead.


 12.4914, 0.3178,
0.2860


 12.4914, 0.3178,
0.2860


207.6319, 0.3150,
0.3114


 7.0793, 0.3186,
0.2778


 30.3870, 0.3167,
0.2965


 3.5117, 0.3195,
0.2657

 43.6392, 0.3163,
0.3000

 1.4044, 0.3208,
0.2463

 60.2736, 0.3160,
0.3028

 0.2199, 0.3390,
0.1393

 80.6746, 0.3158,
0.3052

 0.0000, 0.0000,
0.0000

105.2265, 0.3155,
0.3071

134.3138, 0.3153,

0.3088

168.3208, 0.3152,
0.3102

■ 12.4914, 0.3178,
0.2860

■ 12.4914, 0.3178,
0.2860

■ 10.6258, 0.3207,
0.2641

■ 14.6609, 0.3151,
0.3078

■ 9.0489, 0.3239,
0.2428

■ 17.1455, 0.3127,
0.3290

■ 7.7466, 0.3272,
0.2228

■ 19.9577, 0.3106,
0.3492

■ 6.7030, 0.3305,
0.2050

■ 23.1089, 0.3087,
0.3682

■ 5.9005, 0.3339,
0.1901

■ 26.6099, 0.3071,
0.3859

■ 5.3193, 0.3372,
0.1788

■ 30.4711, 0.3056,
0.4023

■ 4.9368, 0.3402,
0.1714

■ 34.7024, 0.3044,
0.4173

■ 4.6655, 0.3432,
0.1664

■ 39.3133, 0.3033,
0.4310

■ 44.3131, 0.3024,
0.4435

Harmonies

Analogous

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



12.4914, 0.2844, 0.2742



12.4914, 0.3178, 0.2860



12.4914, 0.3514, 0.3078

Triad

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



12.4914, 0.3178, 0.2860



12.4914, 0.3669, 0.3835



12.4914, 0.2542, 0.3176

Complementary

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



12.4914, 0.3178, 0.2860



15.3495, 0.3080, 0.3761

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.



12.4914, 0.2741, 0.3506



12.4914, 0.3178, 0.2860



12.4914, 0.3389, 0.3902

Square

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



12.4914, 0.3178, 0.2860



12.4914, 0.3805, 0.3627



12.4914, 0.3049, 0.3782



12.4914, 0.2492, 0.2903

Rectangle

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



12.4914, 0.3178, 0.2860



12.4914, 0.3688, 0.3258



12.4914, 0.3049, 0.3782



12.4914, 0.2593, 0.3284

Sweetspot

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



12.4919, 0.3178, 0.2860



27.8926, 0.3142, 0.3161



11.2666, 0.2841, 0.2776



6.6043, 0.3143, 0.3150



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.



12.4919, 0.3178, 0.2860



20.7546, 0.3191, 0.2759



12.2507, 0.3348, 0.3089



3.7527, 0.3149, 0.3099



5.3301, 0.3433, 0.1665



25.9102, 0.3447, 0.1672

Inverse Universe

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



12.4919, 0.3178, 0.2860



20.7546, 0.3191, 0.2759



15.5699, 0.2949, 0.3500



3.7527, 0.3149, 0.3099



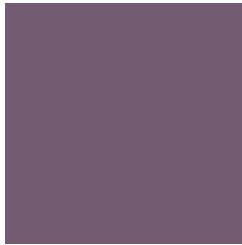
5.3301, 0.3433, 0.1665



25.9102, 0.3447, 0.1672

Previews

White Background



This preview shows how the Yxy color 12.4914, 0.3178, 0.2860 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 12.4914, 0.3178, 0.2860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

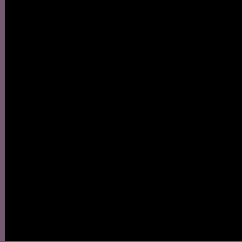
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.4914, 0.3178, 0.2860

Background



This preview shows how black text looks on a background with the Yxy color 12.4914, 0.3178, 0.2860.



This preview shows how white text looks on a background with the Yxy color 12.4914, 0.3178, 0.2860.

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

12.4914, 0.3178, 0.2860

Protanopia

12.4526, 0.2838, 0.2874

Deuteranopia

12.6028, 0.3011, 0.2967



Tritanopia

12.4557, 0.3320, 0.3142

Trichromacy



Original Color

12.4914, 0.3178, 0.2860

Protanomaly

12.4515, 0.2945, 0.2861

Deuteranomaly

12.4801, 0.3070, 0.2929

Tritanomaly

12.4260, 0.3278, 0.3039

Monochromacy



Original Color

12.4914, 0.3178, 0.2860

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.8195, 0.3149, 0.3139

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4914, 0.3178, 0.2860 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(115, 92, 113)` looks like.

```
.text, #text, p{  
    color:rgb(115, 92, 113)  
}
```

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(115, 92, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 92, 113) }
```

Border

The CSS property to change the border of an element to Yxy 12.4914, 0.3178, 0.2860 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(115, 92, 113) }
```

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

```
.border{ border-color:rgb(115, 92, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 92, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 92, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 92, 113);  
box-shadow:4px 4px 4px 4px rgb(115, 92,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 12.4914, 0.3178, 0.2860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 92, 113) }
```

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

```
.background{ background-color: rgb(115, 92,  
113) }
```

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