

Converting Colors

$Y_{xy}(15.7955, 0.3118, 0.2910)$

Have a look what the booklet for
Yxy(15.7955, 0.3118, 0.2910)
contains.

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Color

Yxy(15.7948, 0.3118, 0.2910)

Conversions

Conversions Part 1

Format	Color
Hex	7B697D
RGB	123, 105, 125
RGB Percent	48%, 41%, 49%
CMY	0.5176, 0.5883, 0.5098
CMYK	0.02, 0.16, 0.00, 0.51
HSL	294°, 9%, 45%
HSV	294°, 16%, 49%
XYZ	16.9238, 15.7948, 21.5591
YIQ	112.6620, 4.3080, 10.0360

Conversions

Conversions Part 2

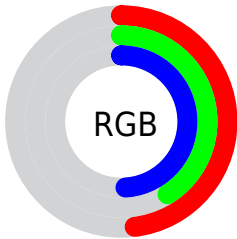
Format	Color
R_{YB}	123, 105, 125
Decimal	8087933
CIE _{Lab}	46.70, 11.01, -8.46
CIE _{LCh}	47, 13.889, 322.476
Yxy	15.7948, 0.3118, 0.2910
Android (android.graphics.Color)	4286278013 (0xFF7B697D)
YUV	112.6620, 6.0826, 9.0664
Hunter-Lab	39.7427, 6.4617, -4.3430

Details

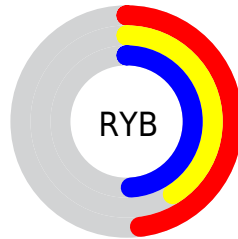
The Yxy color **15.7948, 0.3118, 0.2910** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.8119, 0.3132, 0.3695**, and the grayscale version is **16.3899, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.2214, 0.3122, 0.2989**, and **5.0038, 0.3108, 0.2757** is the 20% darker color. If you saturate the color by 10%, you get **13.3429, 0.3109, 0.2665**, and if you desaturate by 10%, it is **18.6236, 0.3124, 0.3150**.

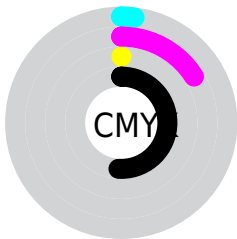
Distribution



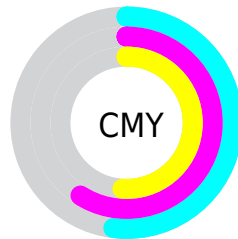
- Red (48%)
- Green (41%)
- Blue (49%)



- Red (48%)
- Yellow (41%)
- Blue (49%)



- Cyan (2%)
- Magenta (16%)
- Yellow (0%)
- Black (51%)




- Cyan (52%)
- Magenta (59%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.7948, 0.3118, 0.2910 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 15.7948, 0.3118, 0.2910 by changing the saturation by 10% instead.


 15.7948, 0.3118,
0.2910


 15.7948, 0.3118,
0.2910


228.1278, 0.3126,
0.3129


 9.3791, 0.3114,
0.2843


 36.2416, 0.3122,
0.2998


 4.9892, 0.3108,
0.2747

 51.0415, 0.3123,
0.3028

 2.2410, 0.3096,
0.2599

 69.4048, 0.3124,
0.3053

 0.7422, 0.3075,
0.2325

 91.7160, 0.3124,
0.3073

 0.0000, 0.0000,
0.0000

118.3596, 0.3125,
0.3090

149.7198, 0.3125,

0.3105

186.1811, 0.3125,
0.3118

■ 15.7948, 0.3118,
0.2910

■ 15.7948, 0.3118,
0.2910

■ 13.3429, 0.3109,
0.2665

■ 18.6236, 0.3124,
0.3150

■ 11.2495, 0.3098,
0.2422

■ 21.8424, 0.3129,
0.3381

■ 9.4979, 0.3084,
0.2188

■ 25.4664, 0.3131,
0.3598

■ 8.0690, 0.3067,
0.1972

■ 29.5093, 0.3132,
0.3800

■ 6.9422, 0.3047,
0.1784

■ 33.9841, 0.3132,
0.3987

6.0942, 0.3026,
0.1630

38.9033, 0.3131,
0.4158

5.4984, 0.3003,
0.1515

44.2788, 0.3129,
0.4313

5.1076, 0.2979,
0.1438

50.1223, 0.3127,
0.4454

4.9665, 0.2969,
0.1409

56.4448, 0.3125,
0.4581

Harmonies

Analogous

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



15.7948, 0.2853, 0.2831



15.7948, 0.3118, 0.2910



15.7948, 0.3397, 0.3079

Triad

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



15.7948, 0.3118, 0.2910



15.7948, 0.3601, 0.3713



15.7948, 0.2668, 0.3248

Complementary

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



15.7948, 0.3118, 0.2910



18.8119, 0.3132, 0.3695

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.



15.7948, 0.2854, 0.3512



15.7948, 0.3118, 0.2910



15.7948, 0.3391, 0.3787

Square

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



15.7948, 0.3118, 0.2910



15.7948, 0.3682, 0.3532



15.7948, 0.3117, 0.3715



15.7948, 0.2602, 0.3011

Rectangle

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



15.7948, 0.3118, 0.2910



15.7948, 0.3549, 0.3224



15.7948, 0.3117, 0.3715



15.7948, 0.2718, 0.3337

Sweetspot

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



15.7955, 0.3118, 0.2910



33.8300, 0.3125, 0.3171



14.9984, 0.2882, 0.2924



7.6240, 0.3125, 0.3158



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



15.7955, 0.3118, 0.2910



26.6931, 0.3115, 0.2826



15.7467, 0.3249, 0.3060



4.3915, 0.3123, 0.3076



5.1817, 0.2969, 0.1409



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.5235, 0.3386, 0.3252



26.1190, 0.3454, 0.3243



18.8629, 0.3022, 0.3531



4.3507, 0.3264, 0.3269



4.5786, 0.6240, 0.3211



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 15.7948, 0.3118, 0.2910 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 15.7948, 0.3118, 0.2910 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 15.7948, 0.3118, 0.2910

Background



This preview shows how black text looks on a background with the Yxy color 15.7948, 0.3118, 0.2910.



This preview shows how white text looks on a background with the Yxy color 15.7948, 0.3118, 0.2910.

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

15.7948, 0.3118, 0.2910

Protanopia

15.8985, 0.2888, 0.2932

Deuteranopia

15.8252, 0.3022, 0.2976



Tritanopia

15.8908, 0.3231, 0.3135

Trichromacy



Original Color

15.7948, 0.3118, 0.2910

Protanomaly

15.7681, 0.2961, 0.2917

Deuteranomaly

15.8222, 0.3062, 0.2960

Tritanomaly

15.7776, 0.3180, 0.3039

Monochromacy



Original Color

15.7948, 0.3118, 0.2910

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.2181, 0.3134, 0.3152

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7948, 0.3118, 0.2910 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(123, 105, 125)` looks like.

```
.text, #text, p{  
    color:rgb(123, 105, 125)  
}
```

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(123, 105, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 105, 125) }
```

Border

The CSS property to change the border of an element to Yxy 15.7948, 0.3118, 0.2910 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(123, 105, 125) }
```

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

```
.border{ border-color:rgb(123, 105, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 105, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 105, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 105, 125);  
box-shadow:4px 4px 4px 4px rgb(123, 105,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 15.7948, 0.3118, 0.2910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 105, 125) }
```

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

```
.background{ background-color: rgb(123,  
105, 125) }
```

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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