

Converting Colors

$Y_{xy}(13.0662, 0.3264, 0.2919)$

Have a look what the booklet for
Yxy(13.0662, 0.3264, 0.2919)
contains.

Yxy(12.9916, 0.3267, 0.2910)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.9916, 0.3267, 0.2910)

Conversions

Conversions Part 1

Format	Color
Hex	785D70
RGB	120, 93, 112
RGB Percent	47%, 36%, 44%
CMY	0.5294, 0.6353, 0.5608
CMYK	0.00, 0.23, 0.07, 0.53
HSL	318°, 13%, 42%
HSV	318°, 23%, 47%
XYZ	14.5854, 12.9916, 17.0677
YIQ	103.2390, 9.9930, 11.6330

Conversions

Conversions Part 2

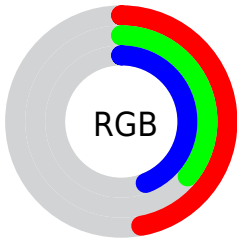
Format	Color
R_{YB}	120, 93, 112
Decimal	7888240
CIE _{Lab}	42.75, 14.45, -6.54
CIE _{LCh}	43, 15.865, 335.644
Yxy	12.9916, 0.3267, 0.2910
Android (android.graphics.Color)	4286078320 (0xFF785D70)
YUV	103.2390, 4.3192, 14.6994
Hunter-Lab	36.0439, 9.1546, -2.8446

Details

The Yxy color **12.9916, 0.3267, 0.2910** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.7019, 0.3011, 0.3703**, and the grayscale version is **13.6169, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2095, 0.3235, 0.2991**, and **3.7428, 0.3334, 0.2749** is the 20% darker color. If you saturate the color by 10%, you get **10.9705, 0.3346, 0.2735**, and if you desaturate by 10%, it is **15.3476, 0.3199, 0.3083**.

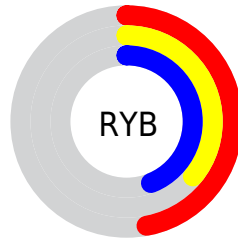
Distribution



Red (47%)

Green (36%)

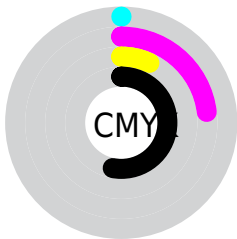
Blue (44%)



Red (47%)

Yellow (36%)

Blue (44%)

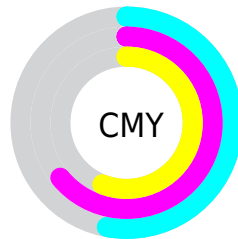


Cyan (0%)

Magenta (23%)

Yellow (7%)

Black (53%)



Cyan (53%)


Magenta (64%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9916, 0.3267, 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 12.9916, 0.3267, 0.2910 by changing the saturation by 10% instead.


 12.9916, 0.3267,
0.2910

 12.9916, 0.3267,
0.2910


210.8638, 0.3185,
0.3134


 7.4228, 0.3293,
0.2838


 31.2887, 0.3234,
0.3002


 3.7279, 0.3331,
0.2732

 44.7857, 0.3222,
0.3033

 1.5225, 0.3391,
0.2562

 61.6943, 0.3213,
0.3058

 0.3045, 0.3700,
0.1754

 82.3988, 0.3205,
0.3079

 0.0000, 0.0000,
0.0000

107.2836, 0.3199,
0.3096

136.7331, 0.3194,

0.3111

171.1317, 0.3189,
0.3123

■ 12.9916, 0.3267,
0.2910

■ 12.9916, 0.3267,
0.2910

■ 10.9705, 0.3346,
0.2735

■ 15.3476, 0.3199,
0.3083

■ 9.2672, 0.3435,
0.2563

■ 18.0513, 0.3140,
0.3250

■ 7.8656, 0.3535,
0.2402

■ 21.1167, 0.3091,
0.3408

■ 6.7476, 0.3644,
0.2260

■ 24.5568, 0.3049,
0.3556

■ 5.8930, 0.3760,
0.2147

■ 28.3836, 0.3013,
0.3694

■ 5.2790, 0.3880,
0.2072

■ 32.6089, 0.2983,
0.3821

■ 4.8785, 0.4000,
0.2040

■ 37.2438, 0.2959,
0.3938

■ 4.6404, 0.4092,
0.2028

■ 42.2990, 0.2938,
0.4046

■ 47.7849, 0.2920,
0.4144

Harmonies

Analogous

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



12.9916, 0.2925, 0.2764



12.9916, 0.3267, 0.2910



12.9916, 0.3585, 0.3146

Triad

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



12.9916, 0.3267, 0.2910



12.9916, 0.3605, 0.3864



12.9916, 0.2518, 0.3098

Complementary

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



12.9916, 0.3267, 0.2910



16.7019, 0.3011, 0.3703

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.



12.9916, 0.2680, 0.3421



12.9916, 0.3267, 0.2910



12.9916, 0.3303, 0.3885

Square

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



12.9916, 0.3267, 0.2910



12.9916, 0.3783, 0.3687



12.9916, 0.2964, 0.3720



12.9916, 0.2508, 0.2854

Rectangle

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



12.9916, 0.3267, 0.2910



12.9916, 0.3732, 0.3330



12.9916, 0.2964, 0.3720



12.9916, 0.2556, 0.3201

Sweetspot

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



12.9922, 0.3267, 0.2910



29.4481, 0.3167, 0.3173



11.9316, 0.2873, 0.2713



6.9319, 0.3169, 0.3166



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.



12.9922, 0.3267, 0.2910



20.9429, 0.3306, 0.2820



12.7204, 0.3466, 0.3171



4.0582, 0.3178, 0.3141



5.0591, 0.4097, 0.2031



23.9773, 0.4155, 0.2062

Inverse Universe

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



12.9922, 0.3267, 0.2910



20.9429, 0.3306, 0.2820



16.9806, 0.2870, 0.3413



4.0582, 0.3178, 0.3141



5.0591, 0.4097, 0.2031



23.9773, 0.4155, 0.2062

Previews

White Background



This preview shows how the Yxy color 12.9916, 0.3267, 0.2910 looks on a white background.

Color Contrast Check

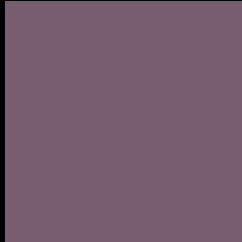
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.9916, 0.3267, 0.2910 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

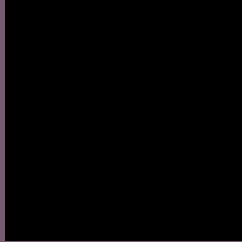
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.9916, 0.3267, 0.2910

Background



This preview shows how black text looks on a background with the Yxy color 12.9916, 0.3267, 0.2910.



This preview shows how white text looks on a background with the Yxy color 12.9916, 0.3267, 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

12.9916, 0.3267, 0.2910

Protanopia

12.9954, 0.2880, 0.2923

Deuteranopia

12.9472, 0.3067, 0.3013



Tritanopia

13.0657, 0.3396, 0.3147

Trichromacy



Original Color

12.9916, 0.3267, 0.2910

Protanomaly

12.8514, 0.3015, 0.2910

Deuteranomaly

12.8929, 0.3142, 0.2977

Tritanomaly

12.9680, 0.3339, 0.3046

Monochromacy



Original Color

12.9916, 0.3267, 0.2910

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.2155, 0.3178, 0.3142

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9916, 0.3267, 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(120, 93, 112)` looks like.

```
.text, #text, p{  
    color:rgb(120, 93, 112)  
}
```

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(120, 93, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 93, 112) }
```

Border

The CSS property to change the border of an element to Yxy 12.9916, 0.3267, 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(120, 93, 112) }
```

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

```
.border{ border-color:rgb(120, 93, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 93, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 93, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 93, 112);  
box-shadow:4px 4px 4px 4px rgb(120, 93,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9916, 0.3267, 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(120, 93, 112) }
```

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

```
.background{ background-color: rgb(120, 93,  
112) }
```

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