

Converting Colors

$Y_{xy}(10.0233, 0.3384, 0.2707)$

Have a look what the booklet for
Yxy(10.0233, 0.3384, 0.2707)
contains.

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Color

Yxy(10.0199, 0.3398, 0.2712)

Conversions

Conversions Part 1

Format	Color
Hex	764C68
RGB	118, 76, 104
RGB Percent	46%, 30%, 41%
CMY	0.5373, 0.7019, 0.5921
CMYK	0.00, 0.36, 0.12, 0.54
HSL	320°, 22%, 38%
HSV	320°, 36%, 46%
XYZ	12.5544, 10.0199, 14.3722
YIQ	91.7500, 16.0440, 17.6120

Conversions

Conversions Part 2

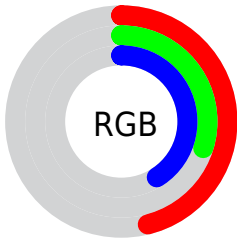
Format	Color
R_{YB}	118, 76, 104
Decimal	7752808
CIE _{Lab}	37.88, 22.40, -8.94
CIE _{LCh}	38, 24.122, 338.250
Yxy	10.0199, 0.3398, 0.2712
Android (android.graphics.Color)	4285942888 (0xFF764C68)
YUV	91.7500, 6.0393, 23.0213
Hunter-Lab	31.6542, 15.4003, -4.7619

Details

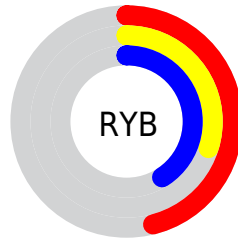
The Yxy color **10.0199, 0.3398, 0.2712** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **15.2307, 0.2932, 0.3951**, and the grayscale version is **10.6255, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.9462, 0.3332, 0.2866**, and **2.4892, 0.3549, 0.2416** is the 20% darker color. If you saturate the color by 10%, you get **8.4628, 0.3502, 0.2550**, and if you desaturate by 10%, it is **11.8799, 0.3307, 0.2878**.

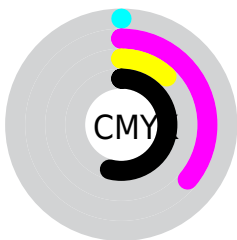
Distribution



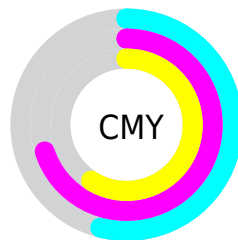
- Red (46%)
- Green (30%)
- Blue (41%)



- Red (46%)
- Yellow (30%)
- Blue (41%)



- Cyan (0%)
- Magenta (36%)
- Yellow (12%)
- Black (54%)





- Cyan (54%)
- Magenta (70%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.0199, 0.3398, 0.2712 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 10.0199, 0.3398, 0.2712 by changing the saturation by 10% instead.


 10.0199, 0.3398,
0.2712


 10.0199, 0.3398,
0.2712


190.8140, 0.3235,
0.3060


 5.4122, 0.3452,
0.2596


 25.8329, 0.3330,
0.2857


 2.4911, 0.3534,
0.2423

 37.8070, 0.3307,
0.2905


 0.8722, 0.3667,
0.2137

 53.0053, 0.3289,
0.2944

 0.0000, 0.4672,
0.0000

 71.8122, 0.3274,
0.2976

 0.0000, 0.0000,
0.0000

 94.6122, 0.3262,
0.3002

121.7895, 0.3252,

0.3024

153.7287, 0.3243,
0.3043

■ 10.0199, 0.3398,
0.2712

■ 10.0199, 0.3398,
0.2712

■ 8.4628, 0.3502,
0.2550

■ 11.8799, 0.3307,
0.2878

■ 7.1909, 0.3618,
0.2401

■ 14.0566, 0.3228,
0.3044

■ 6.1866, 0.3745,
0.2273


■ 16.5645, 0.3160,
0.3204


■ 5.4300, 0.3880,
0.2177


■ 19.4169, 0.3103,
0.3356


■ 4.8982, 0.4019,
0.2120


■ 22.6263, 0.3055,
0.3499

 4.5500, 0.4159,
0.2105

 26.2047, 0.3014,
0.3632

 4.4115, 0.4223,
0.2100

 30.1633, 0.2980,
0.3756

 34.5130, 0.2951,
0.3869

 39.2644, 0.2927,
0.3973

Harmonies

Analogous

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



10.0199, 0.2832, 0.2472



10.0199, 0.3398, 0.2712



10.0199, 0.3927, 0.3080

Triad

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



10.0199, 0.3398, 0.2712



10.0199, 0.3858, 0.4246



10.0199, 0.2141, 0.2908

Complementary

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



10.0199, 0.3398, 0.2712



15.2307, 0.2932, 0.3951

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.



10.0199, 0.2366, 0.3446



10.0199, 0.3398, 0.2712



10.0199, 0.3345, 0.4296

Square

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



10.0199, 0.3398, 0.2712



10.0199, 0.4191, 0.3937



10.0199, 0.2799, 0.3992



10.0199, 0.2152, 0.2547

Rectangle

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



10.0199, 0.3398, 0.2712



10.0199, 0.4161, 0.3366



10.0199, 0.2799, 0.3992



10.0199, 0.2190, 0.3073

Sweetspot

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



10.0204, 0.3398, 0.2712



26.5476, 0.3197, 0.3114



8.6160, 0.2711, 0.2335



6.0022, 0.3204, 0.3097



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.



10.0204, 0.3398, 0.2712



15.2639, 0.3485, 0.2574



9.6561, 0.3771, 0.3127



3.7382, 0.3182, 0.3149



4.7706, 0.4228, 0.2103



23.0837, 0.4297, 0.2141

Inverse Universe

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



10.0204, 0.3398, 0.2712



15.2639, 0.3485, 0.2574



15.6250, 0.2724, 0.3463



3.7382, 0.3182, 0.3149



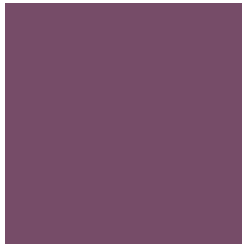
4.7706, 0.4228, 0.2103



23.0837, 0.4297, 0.2141

Previews

White Background



This preview shows how the Yxy color 10.0199, 0.3398, 0.2712 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 10.0199, 0.3398, 0.2712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

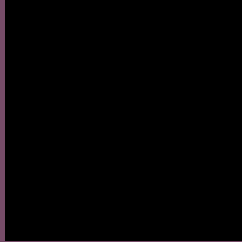
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.0199, 0.3398, 0.2712

Background



This preview shows how black text looks on a background with the Yxy color 10.0199, 0.3398, 0.2712.



This preview shows how white text looks on a background with the Yxy color 10.0199, 0.3398, 0.2712.

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

10.0199, 0.3398, 0.2712

Protanopia

10.2218, 0.2723, 0.2727

Deuteranopia

10.0510, 0.2985, 0.2935



Tritanopia

9.9769, 0.3676, 0.3140

Trichromacy



Original Color

10.0199, 0.3398, 0.2712

Protanomaly

9.9532, 0.2932, 0.2700

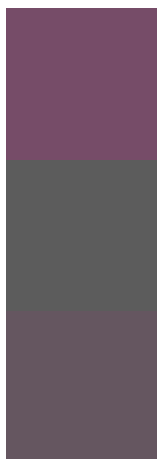
Deuteranomaly

9.9325, 0.3115, 0.2837

Tritanomaly

10.0210, 0.3570, 0.2972

Monochromacy



Original Color

10.0199, 0.3398, 0.2712

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.2668, 0.3221, 0.3060

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0199, 0.3398, 0.2712 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(118, 76, 104)` looks like.

```
.text, #text, p{  
    color:rgb(118, 76, 104)  
}
```

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(118, 76, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 76, 104) }
```

Border

The CSS property to change the border of an element to Yxy 10.0199, 0.3398, 0.2712 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(118, 76, 104) }
```

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

```
.border{ border-color:rgb(118, 76, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 76, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 76, 104); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 76, 104); box-shadow:4px 4px 4px 4px rgb(118, 76, 104) }
```


Background

The CSS property to change the background color of an element to Yxy 10.0199, 0.3398, 0.2712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 76, 104) }
```

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

```
.background{ background-color: rgb(118, 76,  
104) }
```

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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