

Converting Colors

$Y_{xy}(10.7892, 0.3396, 0.2764)$

Have a look what the booklet for
Yxy(10.7892, 0.3396, 0.2764)
contains.

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Color

Yxy(10.7710, 0.3388, 0.2761)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | 78506A |
| RGB | 120, 80, 106 |
| RGB Percent | 47%, 31%, 42% |
| CMY | 0.5294, 0.6863, 0.5842 |
| CMYK | 0.00, 0.33, 0.12, 0.53 |
| HSL | 321°, 20%, 39% |
| HSV | 321°, 33%, 47% |
| XYZ | 13.2170, 10.7710, 15.0232 |
| YIQ | 94.9240, 15.4940, 16.5660 |

Conversions

Conversions Part 2

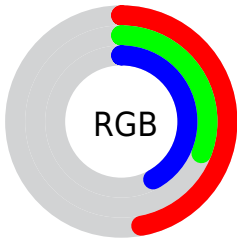
| Format | Color |
|-------------------------------------|------------------------------|
| R_{YB} | 120, 80, 106 |
| Decimal | 7884906 |
| CIE _{Lab} | 39.19, 21.14, -8.19 |
| CIE _{LCh} | 39, 22.674, 338.831 |
| Yxy | 10.7710, 0.3388, 0.2761 |
| Android (android.graphics.Color) | 4286074986 (0xFF78506A) |
| YUV | 94.9240, 5.4605, 21.9917 |
| Hunter-Lab | 32.8192, 14.4522, -4.1670 |

Details

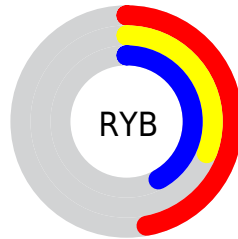
The Yxy color **10.7710, 0.3388, 0.2761** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **15.9471, 0.2936, 0.3888**, and the grayscale version is **11.4089, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.2838, 0.3326, 0.2899**, and **2.7994, 0.3527, 0.2493** is the 20% darker color. If you saturate the color by 10%, you get **9.0832, 0.3494, 0.2601**, and if you desaturate by 10%, it is **12.7779, 0.3295, 0.2924**.

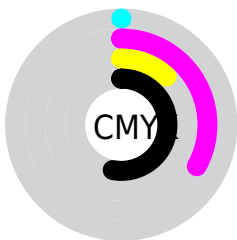
Distribution



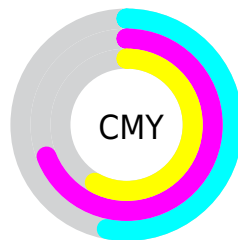
- Red (47%)
- Green (31%)
- Blue (42%)



- Red (47%)
- Yellow (31%)
- Blue (42%)



- Cyan (0%)
- Magenta (33%)
- Yellow (12%)
- Black (53%)





- Cyan (53%)
- Magenta (69%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.7710, 0.3388, 0.2761 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 10.7710, 0.3388, 0.2761 by changing the saturation by 10% instead.


 10.7710, 0.3388,
0.2761


 10.7710, 0.3388,
0.2761


196.0897, 0.3232,
0.3078


 5.9131, 0.3440,
0.2657


 27.2359, 0.3323,
0.2892


 2.7923, 0.3517,
0.2501

 39.6117, 0.3301,
0.2936


 1.0243, 0.3643,
0.2248

 55.2622, 0.3284,
0.2972

 0.0000, 0.4758,
0.0000

 74.5719, 0.3270,
0.3000

 0.0000, 0.0000,
0.0000

 97.9250, 0.3258,
0.3025

125.7061, 0.3248,

0.3045

158.2995, 0.3239,
0.3062

■ 10.7710, 0.3388,
0.2761

■ 10.7710, 0.3388,
0.2761

■ 9.0832, 0.3494,
0.2601

■ 12.7779, 0.3295,
0.2924

■ 7.6964, 0.3614,
0.2451

■ 15.1181, 0.3215,
0.3085

■ 6.5926, 0.3747,
0.2321


■ 17.8065, 0.3147,
0.3240

■ 5.7515, 0.3889,
0.2220


■ 20.8568, 0.3090,
0.3387

■ 5.1501, 0.4036,
0.2157

■ 24.2818, 0.3042,
0.3524

 4.7588, 0.4185,
0.2138

 28.0939, 0.3001,
0.3652

 4.5442, 0.4287,
0.2135

 32.3048, 0.2967,
0.3770

 36.9257, 0.2938,
0.3879

 41.9673, 0.2915,
0.3978

Harmonies

Analogous

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



10.7710, 0.2867, 0.2534



10.7710, 0.3388, 0.2761



10.7710, 0.3868, 0.3107

Triad

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



10.7710, 0.3388, 0.2761



10.7710, 0.3795, 0.4174



10.7710, 0.2213, 0.2935

Complementary

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



10.7710, 0.3388, 0.2761



15.9471, 0.2936, 0.3888

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.



10.7710, 0.2420, 0.3426



10.7710, 0.3388, 0.2761



10.7710, 0.3322, 0.4205

Square

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



10.7710, 0.3388, 0.2761



10.7710, 0.4102, 0.3900



10.7710, 0.2819, 0.3921



10.7710, 0.2226, 0.2602

Rectangle

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



10.7710, 0.3388, 0.2761



10.7710, 0.4079, 0.3374



10.7710, 0.2819, 0.3921



10.7710, 0.2258, 0.3086

Sweetspot

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



10.7715, 0.3388, 0.2761



27.9835, 0.3193, 0.3134



9.4379, 0.2752, 0.2403



6.5085, 0.3201, 0.3116



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.



10.7715, 0.3388, 0.2761



16.6255, 0.3468, 0.2638



10.4132, 0.3729, 0.3152



4.0548, 0.3185, 0.3152



4.9544, 0.4292, 0.2138



23.4673, 0.4364, 0.2178

Inverse Universe

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



10.7715, 0.3388, 0.2761



16.6255, 0.3468, 0.2638



16.3391, 0.2739, 0.3436



4.0548, 0.3185, 0.3152



4.9544, 0.4292, 0.2138



23.4673, 0.4364, 0.2178

Previews

White Background



This preview shows how the Yxy color 10.7710, 0.3388, 0.2761 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 10.7710, 0.3388, 0.2761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

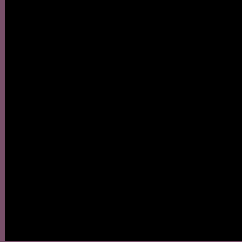
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.7710, 0.3388, 0.2761

Background



This preview shows how black text looks on a background with the Yxy color 10.7710, 0.3388, 0.2761.



This preview shows how white text looks on a background with the Yxy color 10.7710, 0.3388, 0.2761.

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

10.7710, 0.3388, 0.2761

Protanopia

10.9439, 0.2771, 0.2785

Deuteranopia

10.7986, 0.3018, 0.2968



Tritanopia

10.7593, 0.3637, 0.3164

Trichromacy



Original Color

10.7710, 0.3388, 0.2761

Protanomaly

10.8365, 0.2980, 0.2781

Deuteranomaly

10.6788, 0.3147, 0.2871

Tritanomaly

10.7827, 0.3554, 0.3019

Monochromacy



Original Color

10.7710, 0.3388, 0.2761

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.1562, 0.3216, 0.3089

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.7710, 0.3388, 0.2761 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, 80, 106)` looks like.

```
.text, #text, p{  
  color:rgb(120, 80, 106)  
}
```

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, 80, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 80, 106) }
```

Border

The CSS property to change the border of an element to Yxy 10.7710, 0.3388, 0.2761 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, 80, 106) }
```

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

```
.border{ border-color:rgb(120, 80, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 80, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 80, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 80, 106);  
box-shadow:4px 4px 4px 4px rgb(120, 80,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 10.7710, 0.3388, 0.2761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 80, 106) }
```

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

```
.background{ background-color: rgb(120, 80,  
106) }
```

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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