

Converting Colors

$Y_{xy}(17.7099, 0.3038, 0.3048)$

Have a look what the booklet for
Yxy(17.7099, 0.3038, 0.3048)
contains.

Yxy(17.8130, 0.3038, 0.3044)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.8130, 0.3038, 0.3044)

Conversions

Conversions Part 1

Format	Color
Hex	787380
RGB	120, 115, 128
RGB Percent	47%, 45%, 50%
CMY	0.5292, 0.5491, 0.4980
CMYK	0.06, 0.10, 0.00, 0.50
HSL	263°, 5%, 48%
HSV	263°, 10%, 50%
XYZ	17.7779, 17.8130, 22.9275
YIQ	117.9770, -1.1930, 5.1030

Conversions

Conversions Part 2

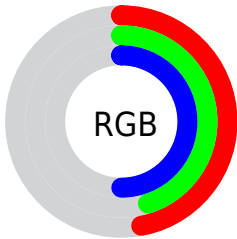
Format	Color
R_{YB}	120, 115, 128
Decimal	7893888
CIE _{Lab}	49.27, 4.62, -6.45
CIE _{LCh}	49, 7.935, 305.574
Yxy	17.8130, 0.3038, 0.3044
Android (android.graphics.Color)	4286083968 (0xFF787380)
YUV	117.9770, 4.9413, 1.7742
Hunter-Lab	42.2054, 1.3287, -2.6646

Details

The Yxy color **17.8130, 0.3038, 0.3044** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **20.8869, 0.3210, 0.3534**, and the grayscale version is **18.0959, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.7443, 0.3055, 0.3099**, and **5.9565, 0.3004, 0.2938** is the 20% darker color. If you saturate the color by 10%, you get **14.5571, 0.2937, 0.2780**, and if you desaturate by 10%, it is **21.5217, 0.3126, 0.3286**.

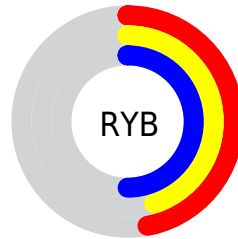
Distribution



Red (47%)

Green (45%)

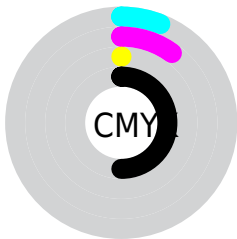
Blue (50%)



Red (47%)

Yellow (45%)

Blue (50%)

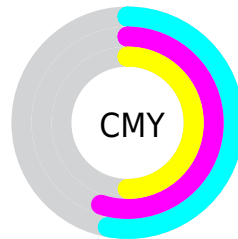


Cyan (6%)

Magenta (10%)

Yellow (0%)

Black (50%)



Cyan (53%)

Magenta (55%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.8130, 0.3038, 0.3044 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 17.8130, 0.3038, 0.3044 by changing the saturation by 10% instead.

■ 17.8130, 0.3038,
0.3044

■ 17.8130, 0.3038,
0.3044

■ 239.8149, 0.3090,
0.3185

■ 10.8158, 0.3021,
0.3001

■ 39.7184, 0.3059,
0.3100

■ 5.9431, 0.2997,
0.2940

■ 55.3955, 0.3067,
0.3120

■ 2.8105, 0.2959,
0.2846

■ 74.7345, 0.3072,
0.3136

■ 1.0336, 0.2890,
0.2685

■ 98.1201, 0.3077,
0.3149

■ 0.0000, 0.0896,
0.0000

■ 125.9365, 0.3081,
0.3160

■ 0.0000, 0.0000,
0.0000

158.5682, 0.3085,

0.3170

196.3995, 0.3088,
0.3178

■ 17.8130, 0.3038,
0.3044

■ 17.8130, 0.3038,
0.3044

■ 14.5571, 0.2937,
0.2780

■ 21.5217, 0.3126,
0.3286

■ 11.7339, 0.2821,
0.2498

■ 25.6976, 0.3201,
0.3505

■ 9.3254, 0.2693,
0.2202

■ 30.3574, 0.3265,
0.3702

■ 7.3113, 0.2552,
0.1902

■ 35.5160, 0.3319,
0.3878

■ 5.6694, 0.2404,
0.1610

■ 41.1879, 0.3364,
0.4034

■ 4.3754, 0.2254,
0.1342

■ 47.3870, 0.3403,
0.4173

■ 3.4021, 0.2108,
0.1112

■ 54.1265, 0.3435,
0.4296

■ 2.7176, 0.1974,
0.0934

■ 61.4193, 0.3462,
0.4405

■ 2.2295, 0.1856,
0.0796

■ 69.2778, 0.3485,
0.4502

Harmonies

Analogous

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



17.8130, 0.2910, 0.3037



17.8130, 0.3038, 0.3044



17.8130, 0.3193, 0.3113

Triad

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



17.8130, 0.3038, 0.3044



17.8130, 0.3421, 0.3477



17.8130, 0.2924, 0.3351

Complementary

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



17.8130, 0.3038, 0.3044



20.8869, 0.3210, 0.3534

Split Complementary

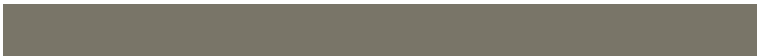
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



17.8130, 0.3057, 0.3478



17.8130, 0.3038, 0.3044



17.8130, 0.3345, 0.3549

Square

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



17.8130, 0.3038, 0.3044



17.8130, 0.3417, 0.3358



17.8130, 0.3211, 0.3551



17.8130, 0.2846, 0.3210

Rectangle

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



17.8130, 0.3038, 0.3044



17.8130, 0.3290, 0.3185



17.8130, 0.3211, 0.3551



17.8130, 0.2964, 0.3397

Sweetspot

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



17.8138, 0.3038, 0.3044



35.9118, 0.3102, 0.3218



19.3737, 0.2977, 0.3195



8.2932, 0.3095, 0.3201



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



17.8138, 0.3038, 0.3044



30.0878, 0.3018, 0.2990



18.2907, 0.3119, 0.3050



4.2868, 0.3048, 0.3071



2.2110, 0.1856, 0.0796



0.0000, 0.0000, 0.0000

Inverse Universe

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



18.2778, 0.3199, 0.3143



31.0642, 0.3216, 0.3112



20.4271, 0.3133, 0.3539



4.3850, 0.3191, 0.3159



5.1005, 0.4444, 0.2222



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.8130, 0.3038, 0.3044 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 17.8130, 0.3038, 0.3044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

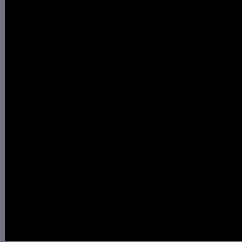
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

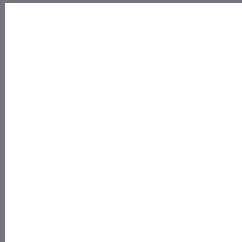
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 17.8130, 0.3038, 0.3044

Background



This preview shows how black text looks on a background with the Yxy color 17.8130, 0.3038, 0.3044.

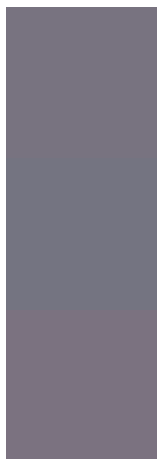


This preview shows how white text looks on a background with the Yxy color 17.8130, 0.3038, 0.3044.

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

17.8130, 0.3038, 0.3044

Protanopia

17.7888, 0.2977, 0.3042

Deuteranopia

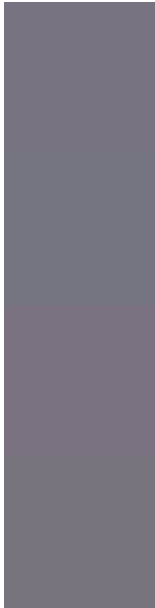
17.8041, 0.3076, 0.3028



Tritanopia

17.9645, 0.3072, 0.3119

Trichromacy



Original Color

17.8130, 0.3038, 0.3044

Protanomaly

17.8577, 0.2989, 0.3043

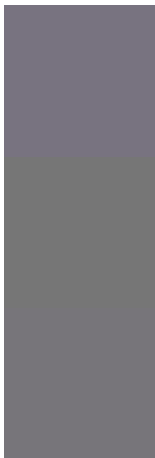
Deuteranomaly

17.7307, 0.3063, 0.3027

Tritanomaly

17.9902, 0.3060, 0.3101

Monochromacy



Original Color

17.8130, 0.3038, 0.3044

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.0497, 0.3094, 0.3194

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8130, 0.3038, 0.3044 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, 115, 128)` looks like.

```
.text, #text, p{  
    color:rgb(120, 115, 128)  
}
```

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, 115, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 115, 128) }
```

Border

The CSS property to change the border of an element to Yxy 17.8130, 0.3038, 0.3044 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, 115, 128) }
```

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

```
.border{ border-color:rgb(120, 115, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 115, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 115, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 115, 128);  
box-shadow:4px 4px 4px 4px rgb(120, 115,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 17.8130, 0.3038, 0.3044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 115, 128) }
```

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

```
.background{ background-color: rgb(120,  
115, 128) }
```

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