

Converting Colors

$Y_{xy}(17.6847, 0.2827, 0.3133)$

Have a look what the booklet for
Yxy(17.6847, 0.2827, 0.3133)
contains.

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Color

Yxy(17.7900, 0.2837, 0.3150)

Conversions

Conversions Part 1

Format	Color
Hex	66787F
RGB	102, 120, 127
RGB Percent	40%, 47%, 50%
CMY	0.6002, 0.5294, 0.5020
CMYK	0.20, 0.05, 0.00, 0.50
HSL	197°, 11%, 45%
HSV	197°, 20%, 50%
XYZ	16.0223, 17.7900, 22.6639
YIQ	115.4160, -12.9750, -1.6390

Conversions

Conversions Part 2

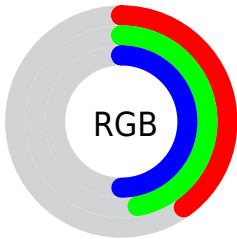
Format	Color
R_{YB}	102, 112, 127
Decimal	6715519
CIE _{Lab}	49.24, -5.00, -6.04
CIE _{LCh}	49, 7.847, 230.385
Yxy	17.7900, 0.2837, 0.3150
Android (android.graphics.Color)	4284905599 (0xFF66787F)
YUV	115.4160, 5.7109, -11.7658
Hunter-Lab	42.1782, -6.0048, -2.3340

Details

The Yxy color **17.7900, 0.2837, 0.3150** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.3920, 0.3471, 0.3426**, and the grayscale version is **17.2605, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.5726, 0.2899, 0.3176**, and **5.9970, 0.2722, 0.3099** is the 20% darker color. If you saturate the color by 10%, you get **16.2696, 0.2693, 0.3069**, and if you desaturate by 10%, it is **19.4569, 0.2984, 0.3224**.

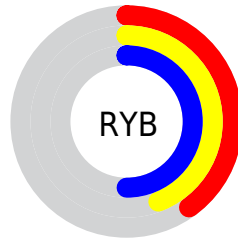
Distribution



Red (40%)

Green (47%)

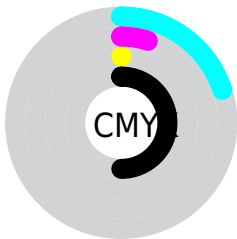
Blue (50%)



Red (40%)

Yellow (44%)

Blue (50%)

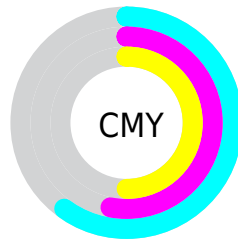


Cyan (20%)

Magenta (5%)

Yellow (0%)

Black (50%)



Cyan (60%)

Magenta (53%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.7900, 0.2837, 0.3150 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 17.7900, 0.2837, 0.3150 by changing the saturation by 10% instead.

■ 17.7900, 0.2837,
0.3150

■ 17.7900, 0.2837,
0.3150

■ 239.6847, 0.3004,
0.3232

■ 10.7993, 0.2786,
0.3124

■ 39.6792, 0.2904,
0.3184

■ 5.9321, 0.2712,
0.3085

■ 55.3464, 0.2927,
0.3195

■ 2.8038, 0.2600,
0.3024

■ 74.6747, 0.2946,
0.3204

■ 1.0302, 0.2403,
0.2912

■ 98.0484, 0.2962,
0.3212

■ 0.0000, 0.0000,
0.0000

■ 125.8518, 0.2975,
0.3218

■ 158.4694, 0.2986,

0.3224

196.2856, 0.2996,
0.3228

■ 17.7900, 0.2837,
0.3150

■ 17.7900, 0.2837,
0.3150

■ 16.2696, 0.2693,
0.3069

■ 19.4569, 0.2984,
0.3224

■ 14.8881, 0.2555,
0.2983

■ 21.2734, 0.3131,
0.3292

■ 13.6403, 0.2426,
0.2890

■ 23.2450, 0.3277,
0.3353

■ 12.5199, 0.2308,
0.2794

■ 25.3764, 0.3420,
0.3407

■ 11.5197, 0.2206,
0.2695

■ 27.6720, 0.3558,
0.3456

■ 10.6319, 0.2120,
0.2594

■ 30.1360, 0.3690,
0.3499

■ 9.8475, 0.2053,
0.2493

■ 32.7724, 0.3816,
0.3536

■ 9.1388, 0.1999,
0.2392

■ 35.5852, 0.3936,
0.3569

■ 9.1188, 0.1997,
0.2389

■ 38.5782, 0.4050,
0.3597

Harmonies

Analogous

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



17.7900, 0.2880, 0.3281



17.7900, 0.2837, 0.3150



17.7900, 0.2869, 0.3061

Triad

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



17.7900, 0.2837, 0.3150



17.7900, 0.3265, 0.3166



17.7900, 0.3283, 0.3556

Complementary

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



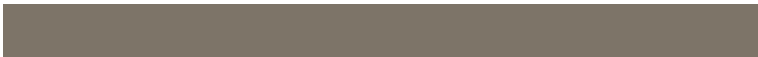
17.7900, 0.2837, 0.3150



16.3920, 0.3471, 0.3426

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.



17.7900, 0.3390, 0.3517



17.7900, 0.2837, 0.3150



17.7900, 0.3380, 0.3291

Square

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



17.7900, 0.2837, 0.3150



17.7900, 0.3114, 0.3073



17.7900, 0.3426, 0.3419



17.7900, 0.3135, 0.3521

Rectangle

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



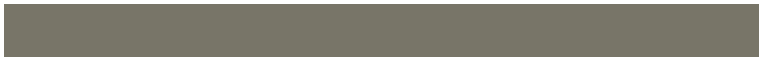
17.7900, 0.2837, 0.3150



17.7900, 0.2930, 0.3036



17.7900, 0.3426, 0.3419



17.7900, 0.3325, 0.3551

Sweetspot

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



17.7907, 0.2837, 0.3150



35.9795, 0.3037, 0.3249



19.0943, 0.3032, 0.3664



8.3848, 0.3029, 0.3246



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.



17.7907, 0.2837, 0.3150



30.5094, 0.2767, 0.3112



15.0367, 0.2823, 0.2898



4.6907, 0.2993, 0.3229



9.1959, 0.1997, 0.2388



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.3618, 0.3242, 0.2949



25.3494, 0.3275, 0.2861



19.1803, 0.3429, 0.3654



4.3926, 0.3176, 0.3136



5.3228, 0.4035, 0.1996



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.7900, 0.2837, 0.3150 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 17.7900, 0.2837, 0.3150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

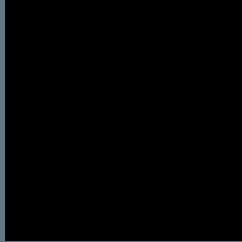
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

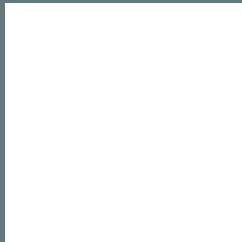
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 17.7900, 0.2837, 0.3150

Background



This preview shows how black text looks on a background with the Yxy color 17.7900, 0.2837, 0.3150.



This preview shows how white text looks on a background with the Yxy color 17.7900, 0.2837, 0.3150.

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

17.7900, 0.2837, 0.3150

Protanopia

17.7534, 0.3035, 0.3117

Deuteranopia

17.8041, 0.3076, 0.3028



Tritanopia

17.8427, 0.2817, 0.3111

Trichromacy



Original Color

17.7900, 0.2837, 0.3150

Protanomaly

17.6737, 0.2962, 0.3114

Deuteranomaly

17.6941, 0.2976, 0.3059

Tritanomaly

17.8162, 0.2827, 0.3130

Monochromacy



Original Color

17.7900, 0.2837, 0.3150

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.3695, 0.3016, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7900, 0.2837, 0.3150 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(102, 120, 127)` looks like.

```
.text, #text, p{  
    color:rgb(102, 120, 127)  
}
```

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(102, 120, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 120, 127) }
```

Border

The CSS property to change the border of an element to Yxy 17.7900, 0.2837, 0.3150 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(102, 120, 127) }
```

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

```
.border{ border-color:rgb(102, 120, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 120, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(102, 120, 127); -webkit-box-shadow:4px 4px 4px 4px rgb(102, 120, 127); box-shadow:4px 4px 4px 4px rgb(102, 120, 127) }
```


Background

The CSS property to change the background color of an element to Yxy 17.7900, 0.2837, 0.3150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 120, 127) }
```

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

```
.background{ background-color: rgb(102,  
120, 127) }
```

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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