

Converting Colors

$Y_{xy}(17.8108, 0.2680, 0.2630)$

Have a look what the booklet for
Yxy(17.8108, 0.2680, 0.2630)
contains.

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Color

Yxy(17.8108, 0.2680, 0.2630)

Conversions

Conversions Part 1

Format	Color
Hex	6E7397
RGB	110, 115, 151
RGB Percent	43%, 45%, 59%
CMY	0.5685, 0.5490, 0.4078
CMYK	0.27, 0.24, 0.00, 0.41
HSL	233°, 16%, 51%
HSV	233°, 27%, 59%
XYZ	18.1494, 17.8108, 31.7615
YIQ	117.6090, -14.5360, 10.1360

Conversions

Conversions Part 2

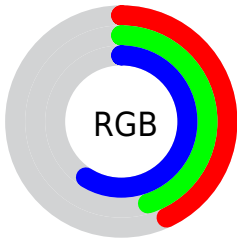
Format	Color
R_{YB}	110, 114, 151
Decimal	7238551
CIE _{Lab}	49.27, 6.61, -20.11
CIE _{LCh}	49, 21.170, 288.182
Yxy	17.8108, 0.2680, 0.2630
Android (android.graphics.Color)	4285428631 (0xFF6E7397)
YUV	117.6090, 16.4618, -6.6731
Hunter-Lab	42.2028, 2.9093, -15.0791

Details

The Yxy color **17.8108, 0.2680, 0.2630** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **28.2745, 0.3543, 0.3874**, and the grayscale version is **17.9408, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.7266, 0.2783, 0.2782**, and **5.9265, 0.2490, 0.2368** is the 20% darker color. If you saturate the color by 10%, you get **14.1124, 0.2489, 0.2339**, and if you desaturate by 10%, it is **22.1113, 0.2858, 0.2897**.

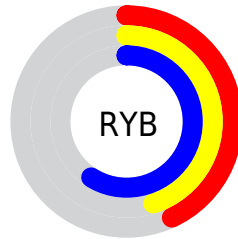
Distribution



Red (43%)

Green (45%)

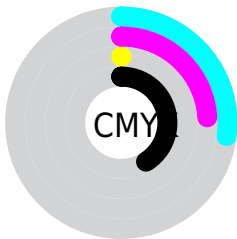
Blue (59%)



Red (43%)

Yellow (45%)

Blue (59%)

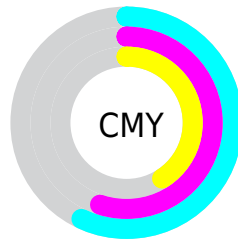


Cyan (27%)

Magenta (24%)

Yellow (0%)

Black (41%)



Cyan (57%)

Magenta (55%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.8108, 0.2680, 0.2630 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 17.8108, 0.2680, 0.2630 by changing the saturation by 10% instead.

■ 17.8108, 0.2680,
0.2630

■ 17.8108, 0.2680,
0.2630

■ 239.8024, 0.2938,
0.3001

■ 10.8142, 0.2602,
0.2522

■ 39.7147, 0.2783,
0.2776

■ 5.9421, 0.2491,
0.2372

■ 55.3908, 0.2819,
0.2827

■ 2.8099, 0.2324,
0.2152

■ 74.7288, 0.2848,
0.2869

■ 1.0333, 0.2049,
0.1807

■ 98.1133, 0.2872,
0.2905

■ 0.0000, 0.0581,
0.0000

■ 125.9284, 0.2893,
0.2934

■ 0.0000, 0.0000,
0.0000

158.5588, 0.2910,

0.2960

196.3886, 0.2925,
0.2982

■ 17.8108, 0.2680,
0.2630

■ 17.8108, 0.2680,
0.2630

■ 14.1124, 0.2489,
0.2339

■ 22.1113, 0.2858,
0.2897

■ 10.9872, 0.2292,
0.2029

■ 27.0369, 0.3021,
0.3136

■ 8.4067, 0.2095,
0.1714

■ 32.6122, 0.3167,
0.3348

■ 6.3397, 0.1912,
0.1409

■ 38.8595, 0.3297,
0.3533

■ 4.7511, 0.1753,
0.1134

■ 45.8004, 0.3412,
0.3693

■ 3.6020, 0.1631,
0.0907

■ 53.4553, 0.3513,
0.3833

■ 2.8406, 0.1549,
0.0742

■ 61.8439, 0.3602,
0.3953

■ 2.6775, 0.1529,
0.0705

■ 70.9849, 0.3680,
0.4057

■ 80.8965, 0.3748,
0.4148

Harmonies

Analogous

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



17.8108, 0.2442, 0.2692



17.8108, 0.2680, 0.2630



17.8108, 0.3049, 0.2724

Triad

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



17.8108, 0.2680, 0.2630



17.8108, 0.3942, 0.3581



17.8108, 0.2774, 0.3672

Complementary

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



17.8108, 0.2680, 0.2630



28.2745, 0.3543, 0.3874

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.



17.8108, 0.3162, 0.3956



17.8108, 0.2680, 0.2630



17.8108, 0.3847, 0.3866

Square

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



17.8108, 0.2680, 0.2630



17.8108, 0.3800, 0.3250



17.8108, 0.3557, 0.4019



17.8108, 0.2492, 0.3276

Rectangle

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



17.8108, 0.2680, 0.2630



17.8108, 0.3328, 0.2859



17.8108, 0.3557, 0.4019



17.8108, 0.2896, 0.3787

Sweetspot

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



17.8115, 0.2680, 0.2630



47.4626, 0.3005, 0.3113



27.5126, 0.2787, 0.3384



10.4913, 0.2983, 0.3081



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



17.8115, 0.2680, 0.2630



27.4567, 0.2557, 0.2442



17.7554, 0.2842, 0.2571



6.1411, 0.2988, 0.3088



2.3021, 0.1531, 0.0712



0.0620, 0.1659, 0.1171

Inverse Universe

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



18.9746, 0.3623, 0.3207



30.0409, 0.3791, 0.3186



28.4938, 0.3360, 0.3984



6.2343, 0.3265, 0.3263



5.6377, 0.6213, 0.3196



0.0871, 0.5508, 0.2808

Previews

White Background



This preview shows how the Yxy color 17.8108, 0.2680, 0.2630 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 17.8108, 0.2680, 0.2630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

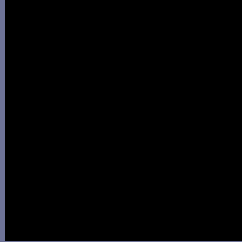
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

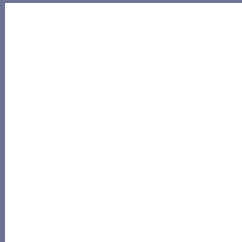
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 17.8108, 0.2680, 0.2630

Background



This preview shows how black text looks on a background with the Yxy color 17.8108, 0.2680, 0.2630.



This preview shows how white text looks on a background with the Yxy color 17.8108, 0.2680, 0.2630.

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

17.8108, 0.2680, 0.2630

Protanopia

17.9133, 0.2661, 0.2645

Deuteranopia

17.8108, 0.2680, 0.2630



Tritanopia

17.7819, 0.2849, 0.3092

Trichromacy



Original Color

17.8108, 0.2680, 0.2630

Protanomaly

17.9764, 0.2671, 0.2647

Deuteranomaly

17.8108, 0.2680, 0.2630

Tritanomaly

17.8888, 0.2789, 0.2925

Monochromacy



Original Color

17.8108, 0.2680, 0.2630

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

17.9791, 0.2954, 0.3042

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8108, 0.2680, 0.2630 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(110, 115, 151)` looks like.

```
.text, #text, p{  
    color:rgb(110, 115, 151)  
}
```

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(110, 115, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 115, 151) }
```

Border

The CSS property to change the border of an element to Yxy 17.8108, 0.2680, 0.2630 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(110, 115, 151) }
```

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

```
.border{ border-color:rgb(110, 115, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 115, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 115, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 115, 151);  
box-shadow:4px 4px 4px 4px rgb(110, 115,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 17.8108, 0.2680, 0.2630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 115, 151) }
```

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

```
.background{ background-color: rgb(110,  
115, 151) }
```

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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