

Converting Colors

$Y_{xy}(16.8800, 0.2225, 0.2863)$

Have a look what the booklet for
 $\text{Yxy}(16.8800, 0.2225, 0.2863)$
contains.

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Color

Yxy(16.8800, 0.2225, 0.2863)

Conversions

Conversions Part 1

Format	Color
Hex	287C90
RGB	40, 124, 144
RGB Percent	16%, 49%, 56%
CMY	0.8431, 0.5137, 0.4352
CMYK	0.72, 0.14, 0.00, 0.44
HSL	192°, 57%, 36%
HSV	192°, 72%, 56%
XYZ	13.1184, 16.8800, 28.9607
YIQ	101.1640, -56.4840, -11.5880

Conversions

Conversions Part 2

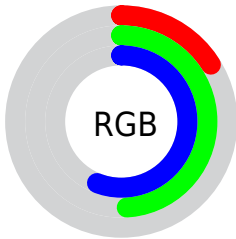
Format	Color
RYB	40, 86, 144
Decimal	2653328
CIELab	48.11, -17.93, -18.09
CIElCh	48, 25.473, 225.246
Yxy	16.8800, 0.2225, 0.2863
Android (android.graphics.Color)	4280843408 (0xFF287C90)
YUV	101.1640, 21.1181, -53.6408
Hunter-Lab	41.0853, -14.9047, -13.0334

Details

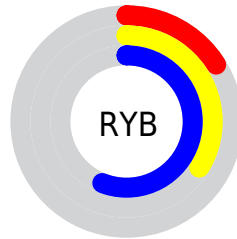
The Yxy color **16.8800, 0.2225, 0.2863** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.3209, 0.5210, 0.3595**, and the grayscale version is **13.0156, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.2308, 0.2425, 0.2974**, and **5.8403, 0.2076, 0.2672** is the 20% darker color. If you saturate the color by 10%, you get **15.9584, 0.2157, 0.2795**, and if you desaturate by 10%, it is **17.9299, 0.2311, 0.2931**.

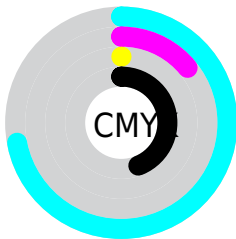
Distribution



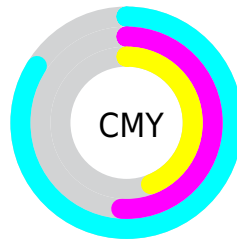
- Red (16%)
- Green (49%)
- Blue (56%)



- Red (16%)
- Yellow (34%)
- Blue (56%)



- Cyan (72%)
- Magenta (14%)
- Yellow (0%)
- Black (44%)



- Cyan (84%)
- Magenta (51%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.8800, 0.2225, 0.2863 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 16.8800, 0.2225, 0.2863 by changing the saturation by 10% instead.

■ 16.8800, 0.2225,
0.2863

■ 16.8800, 0.2225,
0.2863

■ 234.4799, 0.2734,
0.3123

■ 10.1490, 0.2076,
0.2777

■ 38.1193, 0.2425,
0.2971

■ 5.4978, 0.1872,
0.2652

■ 53.3964, 0.2496,
0.3008

■ 2.5422, 0.1578,
0.2452

■ 72.2910, 0.2554,
0.3036

■ 0.8977, 0.0988,
0.2136

■ 95.1875, 0.2602,
0.3060

■ 0.0000, 0.0000,
0.0000

■ 122.4702, 0.2643,
0.3080

■ 154.5236, 0.2677,

0.3096

191.7320, 0.2708,
0.3111

■ 16.8800, 0.2225,
0.2863

■ 16.8800, 0.2225,
0.2863

■ 15.9584, 0.2157,
0.2795

■ 17.9299, 0.2311,
0.2931

■ 15.1506, 0.2107,
0.2727

■ 19.1172, 0.2414,
0.2997

■ 14.5727, 0.2076,
0.2674

■ 20.4522, 0.2532,
0.3061

■ 21.9433, 0.2661,
0.3122

■ 23.5986, 0.2800,
0.3179

■ 25.4253, 0.2945,
0.3231

■ 27.4303, 0.3094,
0.3280

■ 29.6200, 0.3244,
0.3324

■ 32.0005, 0.3392,
0.3363

Harmonies

Analogous

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



16.8800, 0.2382, 0.3314



16.8800, 0.2225, 0.2863



16.8800, 0.2283, 0.2580

Triad

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



16.8800, 0.2225, 0.2863



16.8800, 0.3489, 0.2841



16.8800, 0.3687, 0.4175

Complementary

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



16.8800, 0.2225, 0.2863



9.3209, 0.5210, 0.3595

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.



16.8800, 0.4028, 0.3953



16.8800, 0.2225, 0.2863



16.8800, 0.3921, 0.3195

Square

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



16.8800, 0.2225, 0.2863



16.8800, 0.2979, 0.2591



16.8800, 0.4122, 0.3591



16.8800, 0.3211, 0.4139

Rectangle

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



16.8800, 0.2225, 0.2863



16.8800, 0.2438, 0.2501



16.8800, 0.4122, 0.3591



16.8800, 0.3822, 0.4124

Sweetspot

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



16.8806, 0.2225, 0.2863



41.5357, 0.2797, 0.3177



20.7213, 0.2918, 0.5193



9.3594, 0.2763, 0.3164



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



16.8806, 0.2225, 0.2863



27.1807, 0.2122, 0.2750



7.2248, 0.1934, 0.1685



5.9423, 0.2990, 0.3247



12.7184, 0.2077, 0.2678



0.1509, 0.2167, 0.3000

Inverse Universe

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



8.9054, 0.3553, 0.1990



13.4850, 0.3674, 0.1867



17.4726, 0.4450, 0.4422



5.4935, 0.3165, 0.3114



6.2703, 0.3749, 0.1839



0.0629, 0.3454, 0.1677

Previews

White Background



This preview shows how the Yxy color 16.8800, 0.2225, 0.2863 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 16.8800, 0.2225, 0.2863 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

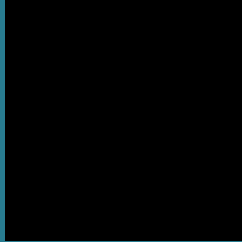
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 16.8800, 0.2225, 0.2863

Background



This preview shows how black text looks on a background with the Yxy color 16.8800, 0.2225, 0.2863.

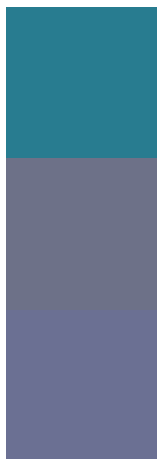


This preview shows how white text looks on a background with the Yxy color 16.8800, 0.2225, 0.2863.

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

16.8800, 0.2225, 0.2863

Protanopia

16.8390, 0.2815, 0.2846

Deuteranopia

16.8207, 0.2680, 0.2633



Tritanopia

16.7849, 0.2257, 0.3046

Trichromacy



Original Color

16.8800, 0.2225, 0.2863

Protanomaly

16.4715, 0.2531, 0.2841

Deuteranomaly

16.4051, 0.2460, 0.2690

Tritanomaly

16.9064, 0.2246, 0.2985

Monochromacy



Original Color

16.8800, 0.2225, 0.2863

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.8839, 0.2665, 0.3108

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8800, 0.2225, 0.2863 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(40, 124, 144)` looks like.

```
.text, #text, p{  
    color:rgb(40, 124, 144)  
}
```

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(40, 124, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 124, 144) }
```

Border

The CSS property to change the border of an element to Yxy 16.8800, 0.2225, 0.2863 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(40, 124, 144) }
```

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

```
.border{ border-color:rgb(40, 124, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 124, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 124, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 124, 144);  
box-shadow:4px 4px 4px 4px rgb(40, 124,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8800, 0.2225, 0.2863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 124, 144) }
```

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

```
.background{ background-color: rgb(40, 124,  
144) }
```

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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