

Converting Colors

$Yxy(16.7043, 0.2166, 0.2836)$

Have a look what the booklet for
Yxy(16.7043, 0.2166, 0.2836)
contains.

Yxy(16.6663, 0.2166, 0.2838)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.6663, 0.2166, 0.2838)

Conversions

Conversions Part 1

Format	Color
Hex	197C91
RGB	25, 124, 145
RGB Percent	10%, 49%, 57%
CMY	0.9020, 0.5137, 0.4313
CMYK	0.83, 0.14, 0.00, 0.43
HSL	191°, 71%, 33%
HSV	191°, 83%, 57%
XYZ	12.7199, 16.6663, 29.3393
YIQ	96.7930, -65.7450, -14.4570

Conversions

Conversions Part 2

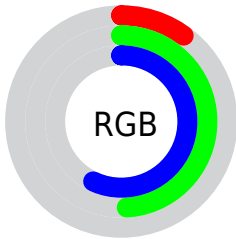
Format	Color
R_{YB}	25, 79, 145
Decimal	1670289
CIE _{Lab}	47.84, -19.41, -19.12
CIE _{LCh}	48, 27.240, 224.568
Yxy	16.6663, 0.2166, 0.2838
Android (android.graphics.Color)	4279860369 (0xFF197C91)
YUV	96.7930, 23.7661, -62.9625
Hunter-Lab	40.8244, -15.8261, -14.0329

Details

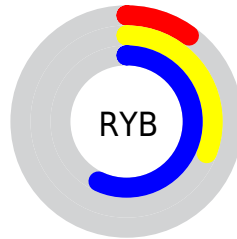
The Yxy color **16.6663, 0.2166, 0.2838** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **8.0462, 0.5659, 0.3548**, and the grayscale version is **11.8540, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.8431, 0.2378, 0.2956**, and **5.8584, 0.2068, 0.2644** is the 20% darker color. If you saturate the color by 10%, you get **15.8998, 0.2120, 0.2777**, and if you desaturate by 10%, it is **17.5460, 0.2231, 0.2900**.

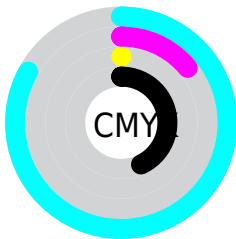
Distribution



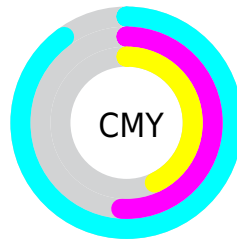
- Red (10%)
- Green (49%)
- Blue (57%)



- Red (10%)
- Yellow (31%)
- Blue (57%)



- Cyan (83%)
- Magenta (14%)
- Yellow (0%)
- Black (43%)



- Cyan (90%)
- Magenta (51%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.6663, 0.2166, 0.2838 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 16.6663, 0.2166, 0.2838 by changing the saturation by 10% instead.

16.6663, 0.2166,
0.2838

16.6663, 0.2166,
0.2838

233.2420, 0.2708,
0.3114

9.9969, 0.2009,
0.2747

37.7511, 0.2379,
0.2953

5.3969, 0.1794,
0.2612

52.9353, 0.2454,
0.2992

2.4820, 0.1486,
0.2400

71.7265, 0.2515,
0.3023

0.8676, 0.0837,
0.2071

94.5092, 0.2567,
0.3048

0.0000, 0.0000,
0.0000

121.6676, 0.2610,
0.3069

153.5863, 0.2647,

0.3086

190.6496, 0.2679,
0.3101

■ 16.6663, 0.2166,
0.2838

■ 16.6663, 0.2166,
0.2838

■ 15.8998, 0.2120,
0.2777

■ 17.5460, 0.2231,
0.2900

■ 15.3872, 0.2092,
0.2732

■ 18.5503, 0.2313,
0.2961

■ 19.6909, 0.2413,
0.3021

■ 20.9775, 0.2528,
0.3079

■ 22.4189, 0.2656,
0.3134

■ 24.0232, 0.2793,
0.3186

■ 25.7978, 0.2937,
0.3234

■ 27.7497, 0.3086,
0.3279

■ 29.8853, 0.3236,
0.3319

Harmonies

Analogous

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



16.6663, 0.2336, 0.3325



16.6663, 0.2166, 0.2838



16.6663, 0.2223, 0.2534

Triad

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



16.6663, 0.2166, 0.2838



16.6663, 0.3502, 0.2803



16.6663, 0.3734, 0.4237

Complementary

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



16.6663, 0.2166, 0.2838



8.0462, 0.5659, 0.3548

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.



16.6663, 0.4097, 0.3987



16.6663, 0.2166, 0.2838



16.6663, 0.3972, 0.3176

Square

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



16.6663, 0.2166, 0.2838



16.6663, 0.2955, 0.2541



16.6663, 0.4194, 0.3597



16.6663, 0.3225, 0.4212

Rectangle

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



16.6663, 0.2166, 0.2838



16.6663, 0.2383, 0.2449



16.6663, 0.4194, 0.3597



16.6663, 0.3878, 0.4178

Sweetspot

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



16.6669, 0.2166, 0.2838



42.1906, 0.2754, 0.3172



20.6508, 0.2931, 0.5501



9.1848, 0.2711, 0.3156



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.



16.6669, 0.2166, 0.2838



27.4476, 0.2092, 0.2726



6.0327, 0.1806, 0.1471



5.9579, 0.2990, 0.3251



13.2291, 0.2093, 0.2736



0.1538, 0.2175, 0.3028

Inverse Universe

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



8.1715, 0.3588, 0.1872



13.2215, 0.3703, 0.1818



16.1961, 0.4663, 0.4467



5.4950, 0.3162, 0.3110



6.3218, 0.3694, 0.1809



0.0632, 0.3429, 0.1663

Previews

White Background



This preview shows how the Yxy color 16.6663, 0.2166, 0.2838 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 16.6663, 0.2166, 0.2838 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

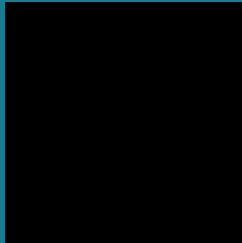
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 16.6663, 0.2166, 0.2838

Background



This preview shows how black text looks on a background with the Yxy color 16.6663, 0.2166, 0.2838.

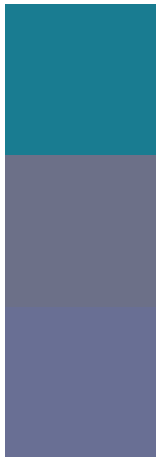


This preview shows how white text looks on a background with the Yxy color 16.6663, 0.2166, 0.2838.

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

16.6663, 0.2166, 0.2838

Protanopia

16.5541, 0.2803, 0.2825

Deuteranopia

16.5103, 0.2647, 0.2593



Tritanopia

16.7445, 0.2195, 0.3065

Trichromacy



Original Color

16.6663, 0.2166, 0.2838

Protanomaly

15.9746, 0.2474, 0.2813

Deuteranomaly

16.1339, 0.2392, 0.2663

Tritanomaly

16.6247, 0.2182, 0.2980

Monochromacy



Original Color

16.6663, 0.2166, 0.2838

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

13.0699, 0.2604, 0.3124

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6663, 0.2166, 0.2838 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(25, 124, 145)` looks like.

```
.text, #text, p{  
    color:rgb(25, 124, 145)  
}
```

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(25, 124, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 124, 145) }
```

Border

The CSS property to change the border of an element to Yxy 16.6663, 0.2166, 0.2838 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(25, 124, 145) }
```

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

```
.border{ border-color:rgb(25, 124, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 124, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 124, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 124, 145);  
box-shadow:4px 4px 4px 4px rgb(25, 124,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 16.6663, 0.2166, 0.2838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 124, 145) }
```

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

```
.background{ background-color: rgb(25, 124,  
145) }
```

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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