

Converting Colors

$Y_{xy}(16.3008, 0.2197, 0.2909)$

Have a look what the booklet for
Yxy(16.3008, 0.2197, 0.2909)
contains.

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Color

Yxy(16.3062, 0.2199, 0.2916)

Conversions

Conversions Part 1

Format	Color
Hex	1C7B8C
RGB	28, 123, 140
RGB Percent	11%, 48%, 55%
CMY	0.8901, 0.5177, 0.4509
CMYK	0.80, 0.12, 0.00, 0.45
HSL	189°, 67%, 33%
HSV	189°, 80%, 55%
XYZ	12.2968, 16.3062, 27.3168
YIQ	96.5330, -62.0770, -14.8530

Conversions

Conversions Part 2

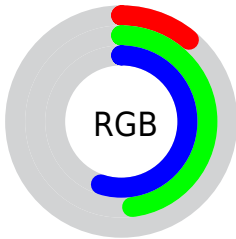
Format	Color
R_{YB}	28, 79, 140
Decimal	1866636
CIE _{Lab}	47.37, -20.28, -16.88
CIE _{LCh}	47, 26.382, 219.766
Yxy	16.3062, 0.2199, 0.2916
Android (android.graphics.Color)	4280056716 (0xFF1C7B8C)
YUV	96.5330, 21.4292, -60.1034
Hunter-Lab	40.3809, -16.3100, -11.8417

Details

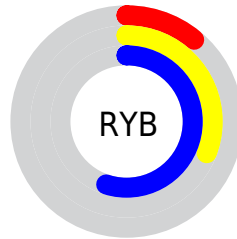
The Yxy color **16.3062, 0.2199, 0.2916** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7.5410, 0.5584, 0.3518**, and the grayscale version is **11.7938, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2729, 0.2407, 0.3013**, and **5.6357, 0.2098, 0.2754** is the 20% darker color. If you saturate the color by 10%, you get **15.6309, 0.2150, 0.2864**, and if you desaturate by 10%, it is **17.0860, 0.2266, 0.2969**.

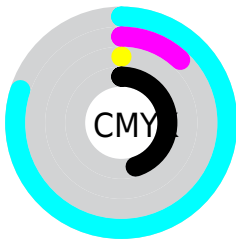
Distribution



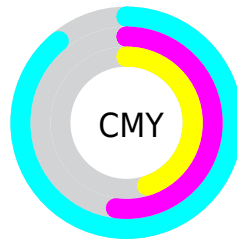
- Red (11%)
- Green (48%)
- Blue (55%)



- Red (11%)
- Yellow (31%)
- Blue (55%)



- Cyan (80%)
- Magenta (12%)
- Yellow (0%)
- Black (45%)





- Cyan (89%)
- Magenta (52%)
- Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3062, 0.2199, 0.2916 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 16.3062, 0.2199, 0.2916 by changing the saturation by 10% instead.


 16.3062, 0.2199,
0.2916


 16.3062, 0.2199,
0.2916


 231.1418, 0.2725,
0.3148


 9.7411, 0.2044,
0.2837


 37.1290, 0.2407,
0.3014


 5.2276, 0.1831,
0.2719

 52.1554, 0.2480,
0.3047

 2.3814, 0.1522,
0.2527

 70.7711, 0.2539,
0.3072

 0.8163, 0.0771,
0.2242

 93.3604, 0.2589,
0.3093

 0.0000, 0.0000,
0.0000

 120.3077, 0.2631,
0.3111

 151.9975, 0.2667,

0.3125

188.8141, 0.2698,
0.3137

■ 16.3062, 0.2199,
0.2916

■ 16.3062, 0.2199,
0.2916

■ 15.6309, 0.2150,
0.2864

■ 17.0860, 0.2266,
0.2969

■ 15.0267, 0.2114,
0.2811

■ 17.9800, 0.2350,
0.3021

■ 15.0258, 0.2114,
0.2811

■ 18.9985, 0.2452,
0.3072

■ 20.1501, 0.2568,
0.3121

■ 21.4426, 0.2696,
0.3168

■ 22.8833, 0.2834,
0.3212

■ 24.4787, 0.2979,
0.3253

■ 26.2350, 0.3127,
0.3290

■ 28.1582, 0.3277,
0.3324

Harmonies

Analogous

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



16.3062, 0.2401, 0.3410



16.3062, 0.2199, 0.2916



16.3062, 0.2219, 0.2586

Triad

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



16.3062, 0.2199, 0.2916



16.3062, 0.3408, 0.2764



16.3062, 0.3790, 0.4190

Complementary

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



16.3062, 0.2199, 0.2916



7.5410, 0.5584, 0.3518

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.



16.3062, 0.4109, 0.3917



16.3062, 0.2199, 0.2916



16.3062, 0.3891, 0.3116

Square

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



16.3062, 0.2199, 0.2916



16.3062, 0.2879, 0.2530



16.3062, 0.4154, 0.3525



16.3062, 0.3308, 0.4214

Rectangle

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



16.3062, 0.2199, 0.2916



16.3062, 0.2354, 0.2480



16.3062, 0.4154, 0.3525



16.3062, 0.3921, 0.4121

Sweetspot

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



16.3068, 0.2199, 0.2916



39.1524, 0.2771, 0.3192



19.1967, 0.2939, 0.5461



8.8383, 0.2727, 0.3178



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



16.3068, 0.2199, 0.2916



26.7072, 0.2123, 0.2822



6.1819, 0.1853, 0.1583



5.5614, 0.2991, 0.3256



13.3702, 0.2115, 0.2814



0.1051, 0.2185, 0.3065

Inverse Universe

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



7.8387, 0.3516, 0.1861



12.3414, 0.3613, 0.1781



14.9334, 0.4641, 0.4424



5.1161, 0.3159, 0.3107



6.1339, 0.3622, 0.1769



0.0424, 0.3397, 0.1645

Previews

White Background



This preview shows how the Yxy color 16.3062, 0.2199, 0.2916 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 16.3062, 0.2199, 0.2916 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

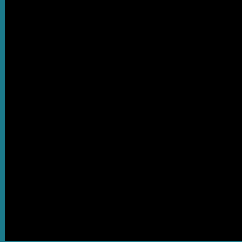
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.3062, 0.2199, 0.2916

Background



This preview shows how black text looks on a background with the Yxy color 16.3062, 0.2199, 0.2916.

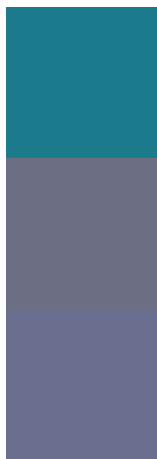


This preview shows how white text looks on a background with the Yxy color 16.3062, 0.2199, 0.2916.

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

16.3062, 0.2199, 0.2916

Protanopia

16.2230, 0.2844, 0.2878

Deuteranopia

16.1992, 0.2705, 0.2659



Tritanopia

16.2960, 0.2222, 0.3064

Trichromacy



Original Color

16.3062, 0.2199, 0.2916

Protanomaly

15.6730, 0.2513, 0.2869

Deuteranomaly

15.8342, 0.2445, 0.2735

Tritanomaly

16.3871, 0.2218, 0.3021

Monochromacy



Original Color

16.3062, 0.2199, 0.2916

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

12.8780, 0.2622, 0.3124

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3062, 0.2199, 0.2916 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(28, 123, 140)` looks like.

```
.text, #text, p{  
  color:rgb(28, 123, 140)  
}
```

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(28, 123, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 123, 140) }
```

Border

The CSS property to change the border of an element to Yxy 16.3062, 0.2199, 0.2916 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(28, 123, 140) }
```

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

```
.border{ border-color:rgb(28, 123, 140) }
```

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

Here you see how a box with a 4 pixel rgb(28, 123, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 123, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 123, 140);  
box-shadow:4px 4px 4px 4px rgb(28, 123,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3062, 0.2199, 0.2916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 123, 140) }
```

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

```
.background{ background-color: rgb(28, 123,  
140) }
```

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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