

Converting Colors

$Yxy(16.2417, 0.2173, 0.2919)$

Have a look what the booklet for
Yxy(16.2417, 0.2173, 0.2919)
contains.

Yxy(16.1880, 0.2172, 0.2914)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(16.1880, 0.2172, 0.2914)

Conversions

Conversions Part 1

Format	Color
Hex	127B8C
RGB	18, 123, 140
RGB Percent	7%, 48%, 55%
CMY	0.9293, 0.5176, 0.4510
CMYK	0.87, 0.12, 0.00, 0.45
HSL	188°, 77%, 31%
HSV	188°, 87%, 55%
XYZ	12.0660, 16.1880, 27.2985
YIQ	93.5430, -68.0370, -16.9730

Conversions

Conversions Part 2

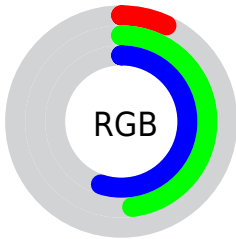
Format	Color
RYB	18, 74, 140
Decimal	1211276
CIELab	47.22, -21.21, -17.11
CIELCh	47, 27.251, 218.897
Yxy	16.1880, 0.2172, 0.2914
Android (android.graphics.Color)	4279401356 (0xFF127B8C)
YUV	93.5430, 22.9033, -66.2512
Hunter-Lab	40.2343, -16.8791, -12.0635

Details

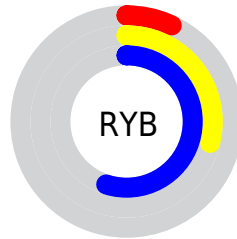
The Yxy color **16.1880, 0.2172, 0.2914** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **6.8221, 0.5871, 0.3475**, and the grayscale version is **11.0390, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0204, 0.2382, 0.3011**, and **5.6357, 0.2098, 0.2754** is the 20% darker color. If you saturate the color by 10%, you get **15.6065, 0.2136, 0.2867**, and if you desaturate by 10%, it is **16.8560, 0.2224, 0.2962**.

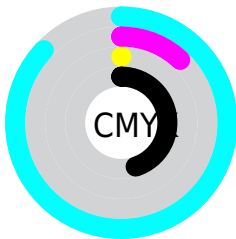
Distribution



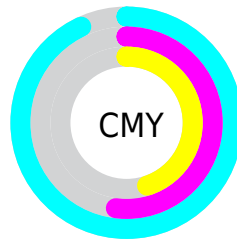
- Red (7%)
- Green (48%)
- Blue (55%)



- Red (7%)
- Yellow (29%)
- Blue (55%)



- Cyan (87%)
- Magenta (12%)
- Yellow (0%)
- Black (45%)



- Cyan (93%)
- Magenta (52%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.1880, 0.2172, 0.2914 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 16.1880, 0.2172, 0.2914 by changing the saturation by 10% instead.

16.1880, 0.2172,
0.2914

16.1880, 0.2172,
0.2914

230.4485, 0.2713,
0.3148

9.6573, 0.2013,
0.2834

36.9243, 0.2386,
0.3014

5.1723, 0.1794,
0.2713

51.8986, 0.2461,
0.3046

2.3487, 0.1479,
0.2517

70.4563, 0.2522,
0.3072

0.7993, 0.0676,
0.2232

92.9817, 0.2573,
0.3093

0.0000, 0.0000,
0.0000

119.8592, 0.2616,
0.3111

151.4733, 0.2653,

0.3125

188.2083, 0.2685,
0.3138

■ 16.1880, 0.2172,
0.2914

■ 16.1880, 0.2172,
0.2914

■ 15.6065, 0.2136,
0.2867

■ 16.8560, 0.2224,
0.2962

■ 15.4447, 0.2126,
0.2853

■ 17.6285, 0.2294,
0.3010

■ 18.5168, 0.2382,
0.3057

■ 19.5303, 0.2487,
0.3103

■ 20.6773, 0.2605,
0.3148

■ 21.9654, 0.2736,
0.3190

■ 23.4017, 0.2875,
0.3229

■ 24.9926, 0.3021,
0.3266

■ 26.7442, 0.3170,
0.3299

Harmonies

Analogous

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



16.1880, 0.2386, 0.3430



16.1880, 0.2172, 0.2914



16.1880, 0.2187, 0.2568

Triad

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



16.1880, 0.2172, 0.2914



16.1880, 0.3401, 0.2738



16.1880, 0.3824, 0.4216

Complementary

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



16.1880, 0.2172, 0.2914



6.8221, 0.5871, 0.3475

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.



16.1880, 0.4148, 0.3925



16.1880, 0.2172, 0.2914



16.1880, 0.3906, 0.3098

Square

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



16.1880, 0.2172, 0.2914



16.1880, 0.2855, 0.2502



16.1880, 0.4187, 0.3518



16.1880, 0.3328, 0.4253

Rectangle

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



16.1880, 0.2172, 0.2914



16.1880, 0.2321, 0.2456



16.1880, 0.4187, 0.3518



16.1880, 0.3958, 0.4140

Sweetspot

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



16.1886, 0.2172, 0.2914



38.8668, 0.2744, 0.3192



19.0015, 0.2952, 0.5655



8.7896, 0.2703, 0.3180



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.



16.1886, 0.2172, 0.2914



27.0557, 0.2123, 0.2843



5.5492, 0.1784, 0.1467



5.5718, 0.2991, 0.3259



13.7450, 0.2127, 0.2855



0.1065, 0.2190, 0.3085

Inverse Universe

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



7.4387, 0.3524, 0.1795



12.2241, 0.3595, 0.1754



13.8528, 0.4798, 0.4419



5.1172, 0.3157, 0.3104



6.1718, 0.3584, 0.1748



0.0425, 0.3380, 0.1636

Previews

White Background



This preview shows how the Yxy color 16.1880, 0.2172, 0.2914 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 16.1880, 0.2172, 0.2914 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

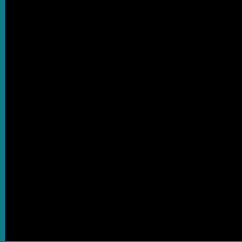
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 16.1880, 0.2172, 0.2914

Background



This preview shows how black text looks on a background with the Yxy color 16.1880, 0.2172, 0.2914.

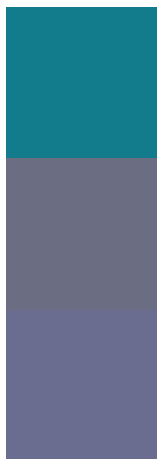


This preview shows how white text looks on a background with the Yxy color 16.1880, 0.2172, 0.2914.

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

16.1880, 0.2172, 0.2914

Protanopia

15.9164, 0.2842, 0.2875

Deuteranopia

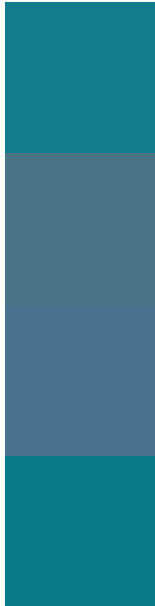
15.9846, 0.2703, 0.2639



Tritanopia

16.1365, 0.2184, 0.3061

Trichromacy



Original Color

16.1880, 0.2172, 0.2914

Protanomaly

15.4786, 0.2485, 0.2885

Deuteranomaly

15.4435, 0.2407, 0.2709

Tritanomaly

16.2380, 0.2183, 0.3019

Monochromacy



Original Color

16.1880, 0.2172, 0.2914

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

12.4091, 0.2576, 0.3144

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1880, 0.2172, 0.2914 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(18, 123, 140)` looks like.

```
.text, #text, p{  
    color:rgb(18, 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(18, 123, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 123, 140) }
```

Border

The CSS property to change the border of an element to Yxy 16.1880, 0.2172, 0.2914 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(18, 123, 140) }
```

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

```
.border{ border-color:rgb(18, 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(18, 123, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 123, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 123, 140);  
box-shadow:4px 4px 4px 4px rgb(18, 123,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 16.1880, 0.2172, 0.2914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 123, 140) }
```

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

```
.background{ background-color: rgb(18, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor