

Converting Colors

$Yxy(16.3672, 0.2004, 0.2733)$

Have a look what the booklet for
Yxy(16.3672, 0.2004, 0.2733)
contains.

Yxy(16.8692, 0.2100, 0.2759)	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(16.8692, 0.2100, 0.2759)

Conversions

Conversions Part 1

Format	Color
Hex	007D96
RGB	0, 125, 150
RGB Percent	0%, 49%, 59%
CMY	0.9994, 0.5098, 0.4118
CMYK	1.00, 0.17, 0.00, 0.41
HSL	190°, 100%, 29%
HSV	190°, 100%, 59%
XYZ	12.8399, 16.8692, 31.4333
YIQ	90.4750, -82.5250, -18.7250

Conversions

Conversions Part 2

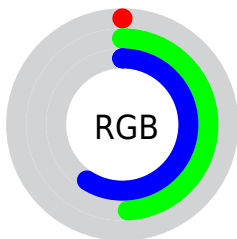
Format	Color
RYB	0, 68, 150
Decimal	32150
CIELab	48.09, -19.72, -21.67
CIELCh	48, 29.301, 227.707
Yxy	16.8692, 0.2100, 0.2759
Android (android.graphics.Color)	4278222230 (0xFF007D96)
YUV	90.4750, 29.3458, -79.3466
Hunter-Lab	41.0721, -16.0738, -16.6253

Details

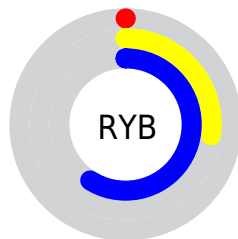
The Yxy color **16.8692, 0.2100, 0.2759** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7.1869, 0.6208, 0.3451**, and the grayscale version is **10.2947, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1789, 0.2328, 0.2899**, and **6.0697, 0.2047, 0.2569** is the 20% darker color. If you saturate the color by 10%, you get **16.8617, 0.2100, 0.2758**, and if you desaturate by 10%, it is **17.6134, 0.2137, 0.2817**.

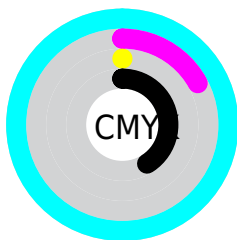
Distribution



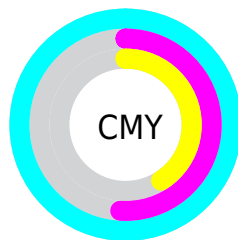
- Red (0%)
- Green (49%)
- Blue (59%)



- Red (0%)
- Yellow (27%)
- Blue (59%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (41%)



- Cyan (100%)
- Magenta (51%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.8692, 0.2100, 0.2759 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 16.8692, 0.2100, 0.2759 by changing the saturation by 10% instead.

16.8692, 0.2100,
0.2759

16.8692, 0.2100,
0.2759

234.4175, 0.2675,
0.3081

10.1413, 0.1936,
0.2655

38.1007, 0.2324,
0.2892

5.4927, 0.1713,
0.2503

53.3732, 0.2404,
0.2937

2.5392, 0.1399,
0.2268

72.2625, 0.2469,
0.2973

0.8962, 0.0787,
0.1905

95.1532, 0.2524,
0.3003

0.0000, 0.0000,
0.0000

122.4297, 0.2571,
0.3027

154.4763, 0.2610,

0.3048

191.6774, 0.2645,
0.3065

■ 16.8692, 0.2100,
0.2759

■ 16.8692, 0.2100,
0.2759

■ 16.8617, 0.2100,
0.2758

■ 17.6134, 0.2137,
0.2817

■ 18.4469, 0.2187,
0.2876

■ 19.4040, 0.2255,
0.2934

■ 20.4986, 0.2342,
0.2992

■ 21.7421, 0.2445,
0.3049

■ 23.1448, 0.2564,
0.3103

■ 24.7161, 0.2694,
0.3155

■ 26.4645, 0.2833,
0.3204

■ 28.3978, 0.2979,
0.3249

Harmonies

Analogous

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



16.8692, 0.2253, 0.3263



16.8692, 0.2100, 0.2759



16.8692, 0.2186, 0.2463

Triad

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



16.8692, 0.2100, 0.2759



16.8692, 0.3587, 0.2808



16.8692, 0.3719, 0.4318

Complementary

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



16.8692, 0.2100, 0.2759



7.1869, 0.6208, 0.3451

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.



16.8692, 0.4133, 0.4066



16.8692, 0.2100, 0.2759



16.8692, 0.4073, 0.3211

Square

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



16.8692, 0.2100, 0.2759



16.8692, 0.3000, 0.2516



16.8692, 0.4275, 0.3657



16.8692, 0.3168, 0.4260

Rectangle

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



16.8692, 0.2100, 0.2759



16.8692, 0.2370, 0.2390



16.8692, 0.4275, 0.3657



16.8692, 0.3880, 0.4261

Sweetspot

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



16.8698, 0.2100, 0.2759



43.4137, 0.2684, 0.3152



21.8847, 0.2953, 0.5830



9.3815, 0.2634, 0.3132



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



16.8698, 0.2100, 0.2759



29.5373, 0.2097, 0.2747



4.4938, 0.1642, 0.1109



6.3992, 0.2990, 0.3252



14.0246, 0.2101, 0.2763



0.2068, 0.2178, 0.3042

Inverse Universe

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



7.9683, 0.3673, 0.1797



14.0324, 0.3684, 0.1803



15.6094, 0.4916, 0.4477



5.8927, 0.3161, 0.3108



6.6091, 0.3669, 0.1795



0.0844, 0.3418, 0.1656

Previews

White Background



This preview shows how the Yxy color 16.8692, 0.2100, 0.2759 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 16.8692, 0.2100, 0.2759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

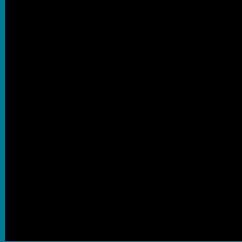
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8692, 0.2100, 0.2759

Background



This preview shows how black text looks on a background with the Yxy color 16.8692, 0.2100, 0.2759.

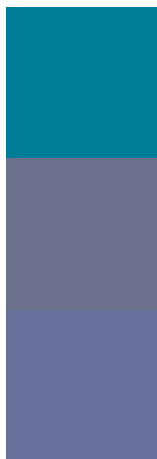


This preview shows how white text looks on a background with the Yxy color 16.8692, 0.2100, 0.2759.

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

16.8692, 0.2100, 0.2759

Protanopia

16.8591, 0.2741, 0.2755

Deuteranopia

16.7718, 0.2582, 0.2527



Tritanopia

16.9849, 0.2185, 0.3066

Trichromacy



Original Color

16.8692, 0.2100, 0.2759

Protanomaly

15.9651, 0.2356, 0.2730

Deuteranomaly

16.1478, 0.2284, 0.2584

Tritanomaly

16.8747, 0.2150, 0.2939

Monochromacy



Original Color

16.8692, 0.2100, 0.2759

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

11.7699, 0.2480, 0.3066

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8692, 0.2100, 0.2759 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(0, 125, 150)` looks like.

```
.text, #text, p{  
    color:rgb(0, 125, 150)  
}
```

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(0, 125, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 125, 150) }
```

Border

The CSS property to change the border of an element to Yxy 16.8692, 0.2100, 0.2759 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(0, 125, 150) }
```

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

```
.border{ border-color:rgb(0, 125, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 125, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 125, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 125, 150);  
box-shadow:4px 4px 4px 4px rgb(0, 125,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8692, 0.2100, 0.2759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 125, 150) }
```

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

```
.background{ background-color: rgb(0, 125,  
150) }
```

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