

Converting Colors

$Yxy(17.9785, 0.2115, 0.2699)$

Have a look what the booklet for
Yxy(17.9785, 0.2115, 0.2699)
contains.

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Color

Yxy(18.0432, 0.2116, 0.2700)

Conversions

Conversions Part 1

Format	Color
Hex	16809D
RGB	22, 128, 157
RGB Percent	9%, 50%, 62%
CMY	0.9128, 0.4981, 0.3842
CMYK	0.86, 0.18, 0.00, 0.38
HSL	193°, 75%, 35%
HSV	193°, 86%, 62%
XYZ	14.1405, 18.0432, 34.6429
YIQ	99.6120, -72.4850, -13.4530

Conversions

Conversions Part 2

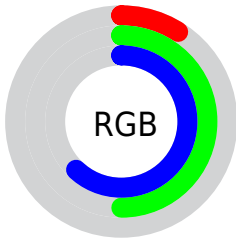
Format	Color
R_{YB}	22, 81, 157
Decimal	1474717
CIE _{Lab}	49.55, -17.60, -23.52
CIE _{LCh}	50, 29.376, 233.198
Yxy	18.0432, 0.2116, 0.2700
Android (android.graphics.Color)	4279664797 (0xFF16809D)
YUV	99.6120, 28.2923, -68.0657
Hunter-Lab	42.4773, -14.9133, -18.6207

Details

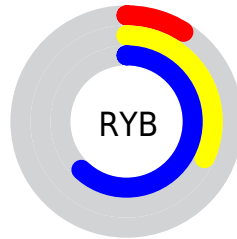
The Yxy color **18.0432, 0.2116, 0.2700** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **9.6190, 0.5713, 0.3604**, and the grayscale version is **12.5982, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1284, 0.2329, 0.2839**, and **6.6326, 0.2024, 0.2488** is the 20% darker color. If you saturate the color by 10%, you get **17.0453, 0.2070, 0.2623**, and if you desaturate by 10%, it is **19.1783, 0.2180, 0.2778**.

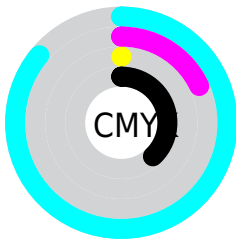
Distribution



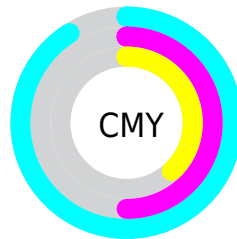
- Red (9%)
- Green (50%)
- Blue (62%)



- Red (9%)
- Yellow (32%)
- Blue (62%)



- Cyan (86%)
- Magenta (18%)
- Yellow (0%)
- Black (38%)



- Cyan (91%)
- Magenta (50%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.0432, 0.2116, 0.2700 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 18.0432, 0.2116, 0.2700 by changing the saturation by 10% instead.

18.0432, 0.2116,
0.2700

18.0432, 0.2116,
0.2700

241.1144, 0.2677,
0.3050

10.9810, 0.1958,
0.2591

40.1109, 0.2333,
0.2843

6.0541, 0.1746,
0.2435

55.8852, 0.2411,
0.2891

2.8780, 0.1451,
0.2201

75.3324, 0.2475,
0.2931

1.0684, 0.0984,
0.1829

98.8368, 0.2528,
0.2963

0.0000, 0.0000,
0.0000

126.7828, 0.2574,
0.2990

159.5548, 0.2613,

0.3013

197.5372, 0.2647,
0.3033

■ 18.0432, 0.2116,
0.2700

■ 18.0432, 0.2116,
0.2700

■ 17.0453, 0.2070,
0.2623

■ 19.1783, 0.2180,
0.2778

■ 16.6510, 0.2053,
0.2591

■ 20.4682, 0.2262,
0.2855

■ 21.9280, 0.2362,
0.2931

■ 23.5703, 0.2478,
0.3005

■ 25.4061, 0.2607,
0.3075

■ 27.4457, 0.2745,
0.3141

■ 29.6985, 0.2890,
0.3203

■ 32.1731, 0.3039,
0.3259

■ 34.8778, 0.3190,
0.3311

Harmonies

Analogous

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



18.0432, 0.2224, 0.3163



18.0432, 0.2116, 0.2700



18.0432, 0.2242, 0.2449

Triad

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



18.0432, 0.2116, 0.2700



18.0432, 0.3679, 0.2883



18.0432, 0.3616, 0.4313

Complementary

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



18.0432, 0.2116, 0.2700



9.6190, 0.5713, 0.3604

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.



18.0432, 0.4057, 0.4114



18.0432, 0.2116, 0.2700



18.0432, 0.4115, 0.3292

Square

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



18.0432, 0.2116, 0.2700



18.0432, 0.3107, 0.2571



18.0432, 0.4251, 0.3731



18.0432, 0.3067, 0.4188

Rectangle

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



18.0432, 0.2116, 0.2700



18.0432, 0.2450, 0.2403



18.0432, 0.4251, 0.3731



18.0432, 0.3782, 0.4277

Sweetspot

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



18.0438, 0.2116, 0.2700



48.8884, 0.2736, 0.3137



24.5163, 0.2915, 0.5516



10.4943, 0.2691, 0.3116



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



18.0438, 0.2116, 0.2700



29.5244, 0.2049, 0.2576



6.1265, 0.1742, 0.1304



7.2669, 0.2988, 0.3241



13.5758, 0.2055, 0.2597



0.2984, 0.2140, 0.2904

Inverse Universe

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



9.3108, 0.3718, 0.1913



15.3778, 0.3847, 0.1893



19.8539, 0.4655, 0.4538



6.7301, 0.3168, 0.3116



6.9927, 0.3827, 0.1882



0.1307, 0.3540, 0.1724

Previews

White Background



This preview shows how the Yxy color 18.0432, 0.2116, 0.2700 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 18.0432, 0.2116, 0.2700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

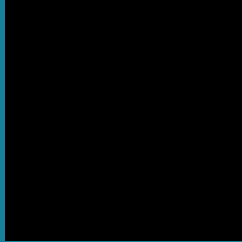
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.0432, 0.2116, 0.2700

Background



This preview shows how black text looks on a background with the Yxy color 18.0432, 0.2116, 0.2700.

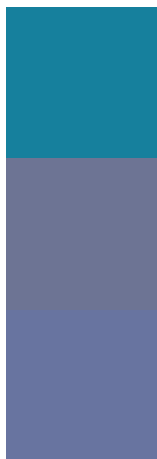


This preview shows how white text looks on a background with the Yxy color 18.0432, 0.2116, 0.2700.

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

18.0432, 0.2116, 0.2700

Protanopia

17.8801, 0.2699, 0.2697

Deuteranopia

17.9719, 0.2540, 0.2495



Tritanopia

17.8884, 0.2181, 0.3050

Trichromacy



Original Color

18.0432, 0.2116, 0.2700

Protanomaly

17.2451, 0.2385, 0.2678

Deuteranomaly

17.3920, 0.2306, 0.2538

Tritanomaly

17.8587, 0.2152, 0.2907

Monochromacy



Original Color

18.0432, 0.2116, 0.2700

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

13.9101, 0.2556, 0.3039

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0432, 0.2116, 0.2700 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(22, 128, 157)` looks like.

```
.text, #text, p{  
  color:rgb(22, 128, 157)  
}
```

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(22, 128, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 128, 157) }
```

Border

The CSS property to change the border of an element to Yxy 18.0432, 0.2116, 0.2700 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(22, 128, 157) }
```

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

```
.border{ border-color:rgb(22, 128, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 128, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 128, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 128, 157);  
box-shadow:4px 4px 4px 4px rgb(22, 128,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0432, 0.2116, 0.2700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 128, 157) }
```

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

```
.background{ background-color: rgb(22, 128,  
157) }
```

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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