

Converting Colors

$Yxy(18.4268, 0.2099, 0.2757)$

Have a look what the booklet for
Yxy(18.4268, 0.2099, 0.2757)
contains.

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Color

$\text{Yxy}(18.3656, 0.2099, 0.2757)$

Conversions

Conversions Part 1

Format	Color
Hex	00829C
RGB	0, 130, 156
RGB Percent	0%, 51%, 61%
CMY	1.0000, 0.4902, 0.3882
CMYK	1.00, 0.17, 0.00, 0.39
HSL	190°, 100%, 31%
HSV	190°, 100%, 61%
XYZ	13.9824, 18.3656, 34.2665
YIQ	94.0940, -85.8260, -19.4740

Conversions

Conversions Part 2

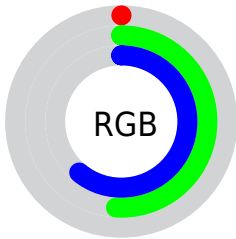
Format	Color
RYB	0, 71, 156
Decimal	33436
CIELab	49.94, -20.26, -22.36
CIELCh	50, 30.172, 227.813
Yxy	18.3656, 0.2099, 0.2757
Android (android.graphics.Color)	4278223516 (0xFF00829C)
YUV	94.0940, 30.5197, -82.5204
Hunter-Lab	42.8551, -16.7571, -17.4091

Details

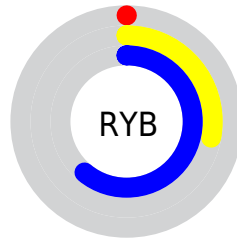
The Yxy color **18.3656, 0.2099, 0.2757** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **7.8085, 0.6216, 0.3447**, and the grayscale version is **11.1596, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.6448, 0.2318, 0.2880**, and **6.7572, 0.2040, 0.2544** is the 20% darker color. If you saturate the color by 10%, you get **18.3674, 0.2099, 0.2757**, and if you desaturate by 10%, it is **19.1749, 0.2135, 0.2815**.

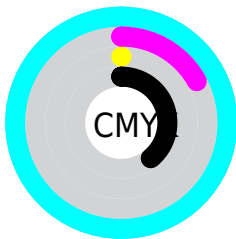
Distribution



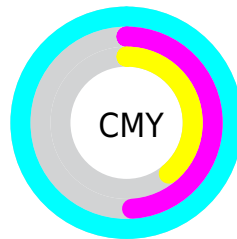
- Red (0%)
- Green (51%)
- Blue (61%)



- Red (0%)
- Yellow (28%)
- Blue (61%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (39%)




- Cyan (100%)
- Magenta (49%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3656, 0.2099, 0.2757 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 18.3656, 0.2099, 0.2757 by changing the saturation by 10% instead.


 18.3656, 0.2099,
0.2757


 18.3656, 0.2099,
0.2757


 242.9238, 0.2667,
0.3076


 11.2128, 0.1940,
0.2656


 40.6593, 0.2319,
0.2888


 6.2101, 0.1726,
0.2511

 56.5690, 0.2397,
0.2932


 2.9733, 0.1429,
0.2289

 76.1665, 0.2462,
0.2968

 1.1178, 0.0954,
0.1935

 99.8361, 0.2516,
0.2998

 0.0000, 0.0000,
0.0000

 127.9622, 0.2563,
0.3022

 160.9292, 0.2602,

0.3043

199.1216, 0.2637,
0.3061

■ 18.3656, 0.2099,
0.2757

■ 18.3656, 0.2099,
0.2757

■ 18.3674, 0.2099,
0.2757

■ 19.1749, 0.2135,
0.2815

■ 20.0810, 0.2185,
0.2874

■ 21.1224, 0.2253,
0.2932

■ 22.3140, 0.2339,
0.2991

■ 23.6686, 0.2442,
0.3048

■ 25.1978, 0.2561,
0.3102

■ 26.9116, 0.2691,
0.3154

■ 28.8195, 0.2831,
0.3203

■ 30.9302, 0.2977,
0.3249

Harmonies

Analogous

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



18.3656, 0.2251, 0.3261



18.3656, 0.2099, 0.2757



18.3656, 0.2186, 0.2461

Triad

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



18.3656, 0.2099, 0.2757



18.3656, 0.3590, 0.2809



18.3656, 0.3718, 0.4319

Complementary

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



18.3656, 0.2099, 0.2757



7.8085, 0.6216, 0.3447

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.



18.3656, 0.4133, 0.4068



18.3656, 0.2099, 0.2757



18.3656, 0.4075, 0.3212

Square

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



18.3656, 0.2099, 0.2757



18.3656, 0.3002, 0.2516



18.3656, 0.4276, 0.3659



18.3656, 0.3166, 0.4260

Rectangle

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



18.3656, 0.2099, 0.2757



18.3656, 0.2371, 0.2389



18.3656, 0.4276, 0.3659



18.3656, 0.3879, 0.4263

Sweetspot

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



18.3674, 0.2099, 0.2757



48.6749, 0.2683, 0.3151



23.8563, 0.2954, 0.5836



10.4363, 0.2631, 0.3131



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.



18.3674, 0.2099, 0.2757



33.1058, 0.2096, 0.2746



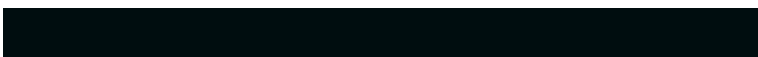
4.8572, 0.1639, 0.1101



7.3211, 0.2988, 0.3252



15.1693, 0.2100, 0.2761



0.3168, 0.2165, 0.2994

Inverse Universe

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



8.6812, 0.3675, 0.1798



15.7393, 0.3685, 0.1804



16.9719, 0.4921, 0.4475



6.7356, 0.3161, 0.3106



7.1536, 0.3671, 0.1796



0.1325, 0.3460, 0.1679

Previews

White Background



This preview shows how the Yxy color 18.3656, 0.2099, 0.2757 looks on a white 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

Black Background



This preview shows how the Yxy color 18.3656, 0.2099, 0.2757 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

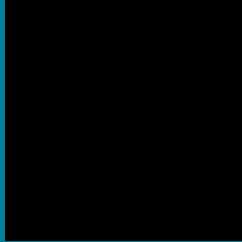
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.3656, 0.2099, 0.2757

Background



This preview shows how black text looks on a background with the Yxy color 18.3656, 0.2099, 0.2757.

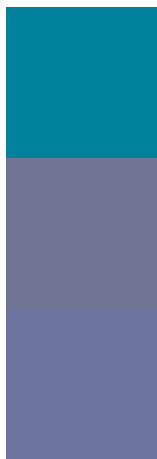


This preview shows how white text looks on a background with the Yxy color 18.3656, 0.2099, 0.2757.

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

18.3656, 0.2099, 0.2757

Protanopia

18.2087, 0.2732, 0.2736

Deuteranopia

18.3516, 0.2581, 0.2535



Tritanopia

18.4555, 0.2187, 0.3073

Trichromacy



Original Color

18.3656, 0.2099, 0.2757

Protanomaly

17.4607, 0.2355, 0.2730

Deuteranomaly

17.6166, 0.2280, 0.2588

Tritanomaly

18.3392, 0.2153, 0.2950

Monochromacy



Original Color

18.3656, 0.2099, 0.2757

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

12.7604, 0.2469, 0.3050

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3656, 0.2099, 0.2757 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, 130, 156)` looks like.

```
.text, #text, p{  
    color:rgb(0, 130, 156)  
}
```

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, 130, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 130, 156) }
```

Border

The CSS property to change the border of an element to Yxy 18.3656, 0.2099, 0.2757 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, 130, 156) }
```

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

```
.border{ border-color:rgb(0, 130, 156) }
```

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

Here you see how a box with a 4 pixel rgb(0, 130, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 130, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 130, 156);  
box-shadow:4px 4px 4px 4px rgb(0, 130,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3656, 0.2099, 0.2757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 130, 156) }
```

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

```
.background{ background-color: rgb(0, 130,  
156) }
```

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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