

Converting Colors

$Yxy(18.1033, 0.2081, 0.2692)$

Have a look what the booklet for
Yxy(18.1033, 0.2081, 0.2692)
contains.

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Color

Yxy(18.1691, 0.2083, 0.2699)

Conversions

Conversions Part 1

Format	Color
Hex	00819E
RGB	0, 129, 158
RGB Percent	0%, 51%, 62%
CMY	1.0000, 0.4941, 0.3803
CMYK	1.00, 0.18, 0.00, 0.38
HSL	191°, 100%, 31%
HSV	191°, 100%, 62%
XYZ	14.0223, 18.1691, 35.1265
YIQ	93.7350, -86.1930, -18.3290

Conversions

Conversions Part 2

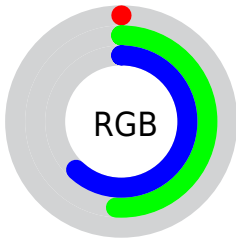
Format	Color
RYB	0, 71, 158
Decimal	33182
CIELab	49.70, -18.99, -23.89
CIElCh	50, 30.522, 231.516
Yxy	18.1691, 0.2083, 0.2699
Android (android.graphics.Color)	4278223262 (0xFF00819E)
YUV	93.7350, 31.6826, -82.2056
Hunter-Lab	42.6252, -15.8734, -19.0219

Details

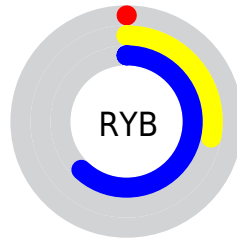
The Yxy color **18.1691, 0.2083, 0.2699** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **8.1515, 0.6189, 0.3468**, and the grayscale version is **11.0677, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.3347, 0.2305, 0.2838**, and **6.7989, 0.2026, 0.2495** is the 20% darker color. If you saturate the color by 10%, you get **18.1703, 0.2083, 0.2699**, and if you desaturate by 10%, it is **19.0543, 0.2121, 0.2764**.

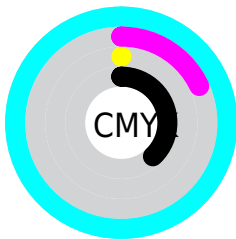
Distribution



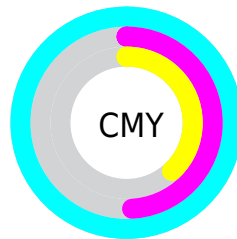
- Red (0%)
- Green (51%)
- Blue (62%)



- Red (0%)
- Yellow (28%)
- Blue (62%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (38%)





- Cyan (100%)
- Magenta (49%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.1691, 0.2083, 0.2699 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 18.1691, 0.2083, 0.2699 by changing the saturation by 10% instead.


 18.1691, 0.2083,
0.2699


 18.1691, 0.2083,
0.2699


241.8225, 0.2660,
0.3050

 11.0715, 0.1922,
0.2589


 40.3253, 0.2306,
0.2842


 6.1149, 0.1706,
0.2432

 56.1526, 0.2386,
0.2891

 2.9151, 0.1406,
0.2196

 75.6585, 0.2451,
0.2931

 1.0876, 0.0934,
0.1824

 99.2276, 0.2507,
0.2963

 0.0000, 0.0000,
0.0000

 127.2441, 0.2554,
0.2990

 160.0925, 0.2594,

0.3013

198.1572, 0.2629,
0.3033

■ 18.1691, 0.2083,
0.2699

■ 18.1691, 0.2083,
0.2699

■ 18.1703, 0.2083,
0.2699

■ 19.0543, 0.2121,
0.2764

■ 20.0441, 0.2173,
0.2829

■ 21.1769, 0.2243,
0.2894

■ 22.4683, 0.2332,
0.2959

■ 23.9316, 0.2437,
0.3022

■ 25.5785, 0.2557,
0.3083

■ 27.4198, 0.2689,
0.3140

■ 29.4650, 0.2830,
0.3194

■ 31.7234, 0.2977,
0.3244

Harmonies

Analogous

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



18.1691, 0.2207, 0.3188



18.1691, 0.2083, 0.2699



18.1691, 0.2200, 0.2428

Triad

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



18.1691, 0.2083, 0.2699



18.1691, 0.3667, 0.2847



18.1691, 0.3661, 0.4347

Complementary

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



18.1691, 0.2083, 0.2699



8.1515, 0.6189, 0.3468

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.



18.1691, 0.4107, 0.4122



18.1691, 0.2083, 0.2699



18.1691, 0.4133, 0.3265

Square

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



18.1691, 0.2083, 0.2699



18.1691, 0.3072, 0.2535



18.1691, 0.4293, 0.3718



18.1691, 0.3095, 0.4242

Rectangle

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



18.1691, 0.2083, 0.2699



18.1691, 0.2405, 0.2374



18.1691, 0.4293, 0.3718



18.1691, 0.3831, 0.4302

Sweetspot

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



18.1703, 0.2083, 0.2699



49.5712, 0.2681, 0.3137



24.5507, 0.2948, 0.5811



10.8685, 0.2628, 0.3115



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



18.1703, 0.2083, 0.2699



32.7157, 0.2080, 0.2687



4.7542, 0.1627, 0.1057



7.3022, 0.2988, 0.3248



14.6004, 0.2085, 0.2704



0.3103, 0.2156, 0.2963

Inverse Universe

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



8.8566, 0.3729, 0.1828



16.0508, 0.3741, 0.1834



17.9933, 0.4878, 0.4509



6.7337, 0.3164, 0.3109



7.0961, 0.3724, 0.1825



0.1319, 0.3487, 0.1695

Previews

White Background



This preview shows how the Yxy color 18.1691, 0.2083, 0.2699 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 18.1691, 0.2083, 0.2699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

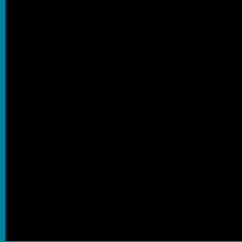
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.1691, 0.2083, 0.2699

Background



This preview shows how black text looks on a background with the Yxy color 18.1691, 0.2083, 0.2699.



This preview shows how white text looks on a background with the Yxy color 18.1691, 0.2083, 0.2699.

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

18.1691, 0.2083, 0.2699

Protanopia

18.2075, 0.2702, 0.2701

Deuteranopia

18.0672, 0.2542, 0.2482



Tritanopia

18.1557, 0.2187, 0.3072

Trichromacy



Original Color

18.1691, 0.2083, 0.2699

Protanomaly

17.2438, 0.2330, 0.2673

Deuteranomaly

17.4061, 0.2256, 0.2533

Tritanomaly

18.0718, 0.2147, 0.2928

Monochromacy



Original Color

18.1691, 0.2083, 0.2699

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 18.1691, 0.2083, 0.2699 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, 129, 158)` looks like.

```
.text, #text, p{  
    color:rgb(0, 129, 158)  
}
```

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, 129, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 129, 158) }
```

Border

The CSS property to change the border of an element to Yxy 18.1691, 0.2083, 0.2699 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, 129, 158) }
```

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

```
.border{ border-color:rgb(0, 129, 158) }
```

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

Here you see how a box with a 4 pixel rgb(0, 129, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 129, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 129, 158);  
box-shadow:4px 4px 4px 4px rgb(0, 129,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1691, 0.2083, 0.2699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 129, 158) }
```

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

```
.background{ background-color: rgb(0, 129,  
158) }
```

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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