

Converting Colors

$Yxy(19.0364, 0.1932, 0.2156)$

Have a look what the booklet for
Yxy(19.0364, 0.1932, 0.2156)
contains.

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Color

$Y_{xy}(18.9403, 0.1931, 0.2153)$

Conversions

Conversions Part 1

Format	Color
Hex	007FBF
RGB	0, 127, 191
RGB Percent	0%, 50%, 75%
CMY	1.0000, 0.5019, 0.2510
CMYK	1.00, 0.33, 0.00, 0.25
HSL	200°, 100%, 37%
HSV	200°, 100%, 75%
XYZ	16.9873, 18.9403, 52.0440
YIQ	96.3230, -96.2360, -7.0200

Conversions

Conversions Part 2

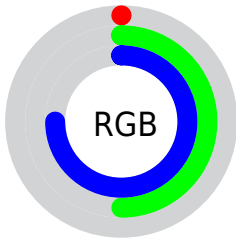
Format	Color
RYB	0, 76, 191
Decimal	32703
CIELab	50.62, -5.50, -41.52
CIELCh	51, 41.880, 262.453
Yxy	18.9403, 0.1931, 0.2153
Android (android.graphics.Color)	4278222783 (0xFF007FBF)
YUV	96.3230, 46.6758, -84.4753
Hunter-Lab	43.5205, -6.4869, -40.4378

Details

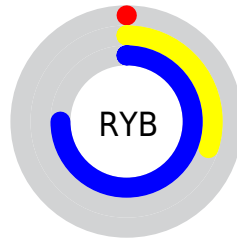
The Yxy color **18.9403, 0.1931, 0.2153** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **14.7387, 0.5877, 0.3715**, and the grayscale version is **11.6839, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4504, 0.2171, 0.2382**, and **7.2549, 0.1848, 0.1852** is the 20% darker color. If you saturate the color by 10%, you get **18.9441, 0.1932, 0.2153**, and if you desaturate by 10%, it is **20.7891, 0.1986, 0.2278**.

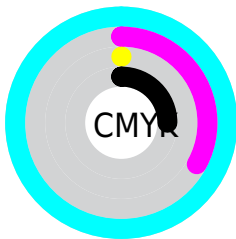
Distribution



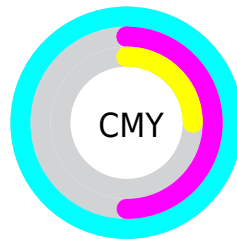
- Red (0%)
- Green (50%)
- Blue (75%)



- Red (0%)
- Yellow (30%)
- Blue (75%)



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (25%)



- Cyan (100%)
- Magenta (50%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.9403, 0.1931, 0.2153 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 18.9403, 0.1931, 0.2153 by changing the saturation by 10% instead.

■ 18.9403, 0.1931,
0.2153

■ 18.9403, 0.1931,
0.2153

■ 246.1190, 0.2576,
0.2778

■ 11.6271, 0.1761,
0.1984

■ 41.6332, 0.2174,
0.2391

■ 6.4903, 0.1542,
0.1763

■ 57.7817, 0.2263,
0.2478

■ 3.1455, 0.1254,
0.1468

■ 77.6442, 0.2337,
0.2549

■ 1.2081, 0.0878,
0.1070

■ 101.6049, 0.2400,
0.2610

■ 0.0683, 0.0000,
0.0143

■ 130.0484, 0.2454,
0.2661

■ 0.0000, 0.0000,
0.0000

■ 163.3590, 0.2500,

0.2706

201.9210, 0.2541,
0.2744

■ 18.9403, 0.1931,
0.2153

■ 18.9403, 0.1931,
0.2153

■ 18.9441, 0.1932,
0.2153

■ 20.7891, 0.1986,
0.2278

■ 22.8779, 0.2057,
0.2405

■ 25.2617, 0.2148,
0.2533

■ 27.9674, 0.2258,
0.2660

■ 31.0178, 0.2384,
0.2783

■ 34.4333, 0.2522,
0.2900

■ 38.2322, 0.2669,
0.3010

■ 42.4314, 0.2821,
0.3112

■ 47.0467, 0.2974,
0.3206

Harmonies

Analogous

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



18.9403, 0.1774, 0.2468



18.9403, 0.1931, 0.2153



18.9403, 0.2369, 0.2118

Triad

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



18.9403, 0.1931, 0.2153



18.9403, 0.4505, 0.3243



18.9403, 0.3030, 0.4609

Complementary

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



18.9403, 0.1931, 0.2153



14.7387, 0.5877, 0.3715

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.



18.9403, 0.3779, 0.4722



18.9403, 0.1931, 0.2153



18.9403, 0.4687, 0.3819

Square

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



18.9403, 0.1931, 0.2153



18.9403, 0.3875, 0.2719



18.9403, 0.4394, 0.4368



18.9403, 0.2347, 0.3945

Rectangle

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



18.9403, 0.1931, 0.2153



18.9403, 0.2809, 0.2230



18.9403, 0.4394, 0.4368



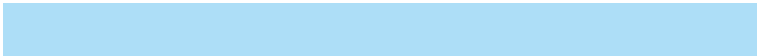
18.9403, 0.3283, 0.4713

Sweetspot

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



18.9441, 0.1932, 0.2153



68.1435, 0.2662, 0.3005



37.6232, 0.2866, 0.5517



14.3101, 0.2599, 0.2959



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



18.9441, 0.1932, 0.2153



33.4669, 0.1926, 0.2134



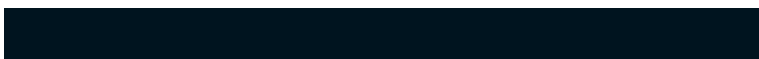
4.7851, 0.1540, 0.0743



10.2564, 0.2985, 0.3211



12.6045, 0.1936, 0.2170



0.6096, 0.2019, 0.2470

Inverse Universe

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



12.6077, 0.4283, 0.2133



22.5363, 0.4304, 0.2145



35.9255, 0.4522, 0.4791



9.6405, 0.3187, 0.3139



8.3021, 0.4265, 0.2123



0.3369, 0.3953, 0.1951

Previews

White Background



This preview shows how the Yxy color 18.9403, 0.1931, 0.2153 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 18.9403, 0.1931, 0.2153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

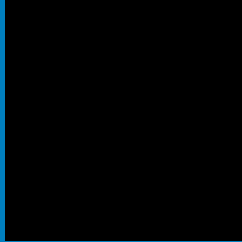
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.9403, 0.1931, 0.2153

Background



This preview shows how black text looks on a background with the Yxy color 18.9403, 0.1931, 0.2153.



This preview shows how white text looks on a background with the Yxy color 18.9403, 0.1931, 0.2153.

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

18.9403, 0.1931, 0.2153

Protanopia

18.9172, 0.2313, 0.2193

Deuteranopia

18.9029, 0.2130, 0.2067



Tritanopia

19.0334, 0.2194, 0.3097

Trichromacy



Original Color

18.9403, 0.1931, 0.2153

Protanomaly

18.2440, 0.2081, 0.2147

Deuteranomaly

18.6498, 0.2011, 0.2093

Tritanomaly

18.7707, 0.2085, 0.2707

Monochromacy



Original Color

18.9403, 0.1931, 0.2153

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

13.1462, 0.2358, 0.2748

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9403, 0.1931, 0.2153 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, 127, 191)` looks like.

```
.text, #text, p{  
    color:rgb(0, 127, 191)  
}
```

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, 127, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 127, 191) }
```

Border

The CSS property to change the border of an element to Yxy 18.9403, 0.1931, 0.2153 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, 127, 191) }
```

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

```
.border{ border-color:rgb(0, 127, 191) }
```

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

Here you see how a box with a 4 pixel rgb(0, 127, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 127, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 127, 191);  
box-shadow:4px 4px 4px 4px rgb(0, 127,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9403, 0.1931, 0.2153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 127, 191) }
```

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

```
.background{ background-color: rgb(0, 127,  
191) }
```

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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