

Converting Colors

$Yxy(17.3798, 0.1589, 0.1974)$

Have a look what the booklet for
Yxy(17.3798, 0.1589, 0.1974)
contains.

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Color

$\text{Yxy}(19.3023, 0.1904, 0.2053)$

Conversions

Conversions Part 1

Format	Color
Hex	007FC7
RGB	0, 127, 199
RGB Percent	0%, 50%, 78%
CMY	0.9986, 0.5020, 0.2196
CMYK	1.00, 0.36, 0.00, 0.22
HSL	202°, 100%, 39%
HSV	202°, 100%, 78%
XYZ	17.9014, 19.3023, 56.8163
YIQ	97.2350, -98.8040, -4.5320

Conversions

Conversions Part 2

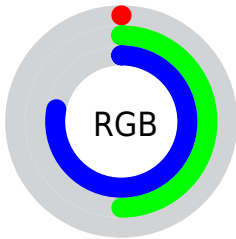
Format	Color
R _Y B	0, 78, 199
Decimal	32711
CIE Lab	51.04, -2.35, -45.43
CIE LCh	51, 45.492, 267.033
Yxy	19.3023, 0.1904, 0.2053
Android (android.graphics.Color)	4278222791 (0xFF007FC7)
YUV	97.2350, 50.1701, -85.2751
Hunter-Lab	43.9344, -4.1540, -45.9202

Details

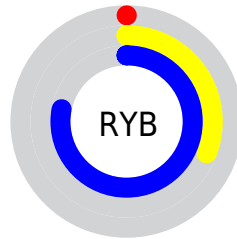
The Yxy color **19.3023, 0.1904, 0.2053** is a dark color, and the websafe version is hex **006699**. The color can be described as dark washed azure. A complement of this color would be **16.8272, 0.5804, 0.3771**, and the grayscale version is **11.9349, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.0016, 0.2151, 0.2311**, and **7.6363, 0.1822, 0.1760** is the 20% darker color. If you saturate the color by 10%, you get **19.2660, 0.1903, 0.2051**, and if you desaturate by 10%, it is **21.3827, 0.1961, 0.2189**.

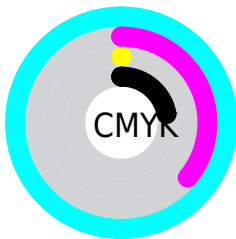
Distribution



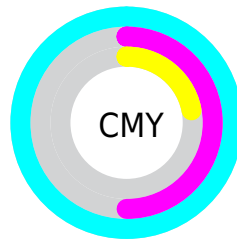
- Red (0%)
- Green (50%)
- Blue (78%)



- Red (0%)
- Yellow (31%)
- Blue (78%)



- Cyan (100%)
- Magenta (36%)
- Yellow (0%)
- Black (22%)



- Cyan (100%)
- Magenta (50%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.3023, 0.1904, 0.2053 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 19.3023, 0.1904, 0.2053 by changing the saturation by 10% instead.

■ 19.3023, 0.1904,
0.2053

■ 19.3023, 0.1904,
0.2053

■ 248.1126, 0.2560,
0.2721

■ 11.8889, 0.1734,
0.1878

■ 42.2443, 0.2149,
0.2304

■ 6.6681, 0.1516,
0.1652

■ 58.5417, 0.2239,
0.2396

■ 3.2554, 0.1234,
0.1357

■ 78.5692, 0.2315,
0.2473

■ 1.2665, 0.0870,
0.0973

■ 102.7113, 0.2379,
0.2538

■ 0.1150, 0.0088,
0.0196

■ 131.3522, 0.2434,
0.2594

■ 0.0000, 0.0000,
0.0000

■ 164.8765, 0.2482,

0.2642

203.6685, 0.2523,
0.2684

■ 19.3023, 0.1904,
0.2053

■ 19.3023, 0.1904,
0.2053

■ 19.2660, 0.1903,
0.2051

■ 21.3827, 0.1961,
0.2189

■ 23.7525, 0.2036,
0.2327

■ 26.4663, 0.2132,
0.2467

■ 29.5545, 0.2246,
0.2606

■ 33.0429, 0.2376,
0.2740

■ 36.9545, 0.2518,
0.2868

■ 41.3101, 0.2668,
0.2988

■ 46.1289, 0.2822,
0.3099

■ 51.4287, 0.2977,
0.3200

Harmonies

Analogous

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



19.3023, 0.1694, 0.2331



19.3023, 0.1904, 0.2053



19.3023, 0.2410, 0.2061

Triad

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



19.3023, 0.1904, 0.2053



19.3023, 0.4678, 0.3320



19.3023, 0.2891, 0.4652

Complementary

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



19.3023, 0.1904, 0.2053



16.8272, 0.5804, 0.3771

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.



19.3023, 0.3695, 0.4857



19.3023, 0.1904, 0.2053



19.3023, 0.4782, 0.3932

Square

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



19.3023, 0.1904, 0.2053



19.3023, 0.4058, 0.2755



19.3023, 0.4392, 0.4510



19.3023, 0.2195, 0.3857

Rectangle

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



19.3023, 0.1904, 0.2053



19.3023, 0.2904, 0.2203



19.3023, 0.4392, 0.4510



19.3023, 0.3158, 0.4796

Sweetspot

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



19.3029, 0.1904, 0.2053



71.8284, 0.2658, 0.2981



41.2913, 0.2854, 0.5474



14.6597, 0.2594, 0.2930



0.0000, 0.0000, 0.0000



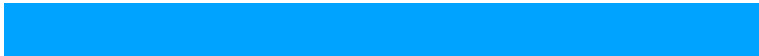
21.4041, 0.3127, 0.3290

Same Dimension

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



19.3029, 0.1904, 0.2053



33.2569, 0.1898, 0.2031



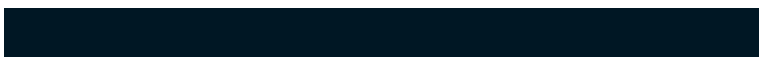
5.0629, 0.1534, 0.0720



11.3958, 0.2984, 0.3204



12.5593, 0.1908, 0.2069



0.7288, 0.1987, 0.2353

Inverse Universe

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



13.6826, 0.4393, 0.2195



23.8884, 0.4417, 0.2207



40.5966, 0.4485, 0.4819



10.7488, 0.3192, 0.3144



8.8079, 0.4375, 0.2184



0.4306, 0.4072, 0.2017

Previews

White Background



This preview shows how the Yxy color 19.3023, 0.1904, 0.2053 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 19.3023, 0.1904, 0.2053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

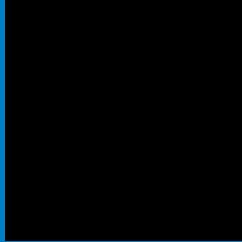
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.3023, 0.1904, 0.2053

Background



This preview shows how black text looks on a background with the Yxy color 19.3023, 0.1904, 0.2053.

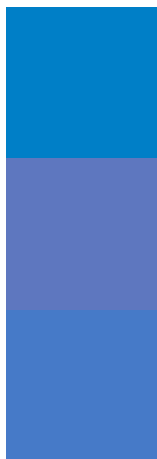


This preview shows how white text looks on a background with the Yxy color 19.3023, 0.1904, 0.2053.

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

19.3023, 0.1904, 0.2053

Protanopia

19.3349, 0.2244, 0.2104

Deuteranopia

19.3913, 0.2060, 0.2007



Tritanopia

19.3416, 0.2194, 0.3098

Trichromacy



Original Color

19.3023, 0.1904, 0.2053

Protanomaly

18.7748, 0.2039, 0.2063

Deuteranomaly

19.1433, 0.1966, 0.2011

Tritanomaly

19.1829, 0.2072, 0.2658

Monochromacy



Original Color

19.3023, 0.1904, 0.2053

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

13.4705, 0.2346, 0.2712

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.3023, 0.1904, 0.2053 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, 199)` looks like.

```
.text, #text, p{  
    color:rgb(0, 127, 199)  
}
```

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, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 127, 199) }
```

Border

The CSS property to change the border of an element to Yxy 19.3023, 0.1904, 0.2053 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, 199) }
```

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

```
.border{ border-color:rgb(0, 127, 199) }
```

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, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 127, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 127, 199);  
box-shadow:4px 4px 4px 4px rgb(0, 127,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 19.3023, 0.1904, 0.2053 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, 199) }
```

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

```
.background{ background-color: rgb(0, 127,  
199) }
```

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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