

Converting Colors

$Yxy(18.5165, 0.1844, 0.2026)$

Have a look what the booklet for
Yxy(18.5165, 0.1844, 0.2026)
contains.

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Color

Yxy(18.9989, 0.1902, 0.2047)

Conversions

Conversions Part 1

Format	Color
Hex	007EC6
RGB	0, 126, 198
RGB Percent	0%, 49%, 78%
CMY	1.0000, 0.5059, 0.2235
CMYK	1.00, 0.36, 0.00, 0.22
HSL	202°, 100%, 39%
HSV	202°, 100%, 78%
XYZ	17.6531, 18.9989, 56.1614
YIQ	96.5340, -98.2080, -4.3200

Conversions

Conversions Part 2

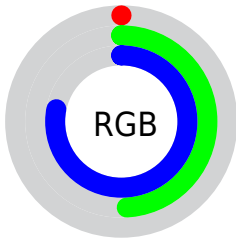
Format	Color
RYB	0, 77, 198
Decimal	32454
CIELab	50.69, -2.16, -45.42
CIELCh	51, 45.470, 267.272
Yxy	18.9989, 0.1902, 0.2047
Android (android.graphics.Color)	4278222534 (0xFF007EC6)
YUV	96.5340, 50.0227, -84.6603
Hunter-Lab	43.5877, -3.9857, -45.8818

Details

The Yxy color **18.9989, 0.1902, 0.2047** 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 **16.6397, 0.5805, 0.3773**, and the grayscale version is **11.7281, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.6022, 0.2148, 0.2297**, and **7.4624, 0.1820, 0.1750** is the 20% darker color. If you saturate the color by 10%, you get **18.9996, 0.1902, 0.2047**, and if you desaturate by 10%, it is **21.0543, 0.1959, 0.2183**.

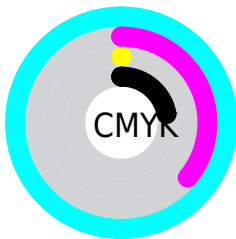
Distribution



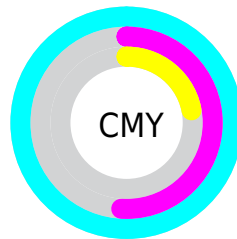
- Red (0%)
- Green (49%)
- Blue (78%)



- Red (0%)
- Yellow (30%)
- Blue (78%)



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



- Cyan (100%)
- Magenta (51%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.9989, 0.1902, 0.2047 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 18.9989, 0.1902, 0.2047 by changing the saturation by 10% instead.

■ 18.9989, 0.1902,
0.2047

■ 18.9989, 0.1902,
0.2047

■ 246.4427, 0.2560,
0.2720

■ 11.6695, 0.1731,
0.1870

■ 41.7322, 0.2148,
0.2300

■ 6.5190, 0.1511,
0.1643

■ 57.9050, 0.2239,
0.2393

■ 3.1632, 0.1227,
0.1345

■ 77.7942, 0.2315,
0.2470

■ 1.2175, 0.0860,
0.0958

■ 101.7844, 0.2379,
0.2536

■ 0.0759, 0.0034,
0.0134

■ 130.2600, 0.2434,
0.2592

■ 0.0000, 0.0000,
0.0000

■ 163.6053, 0.2482,

0.2640

202.2047, 0.2524,
0.2683

■ 18.9989, 0.1902,
0.2047

■ 18.9989, 0.1902,
0.2047

■ 18.9996, 0.1902,
0.2047

■ 21.0543, 0.1959,
0.2183

■ 23.3941, 0.2034,
0.2322

■ 26.0742, 0.2129,
0.2462

■ 29.1245, 0.2244,
0.2601

■ 32.5706, 0.2374,
0.2736

■ 36.4353, 0.2515,
0.2864

■ 40.7393, 0.2665,
0.2985

■ 45.5014, 0.2819,
0.3096

■ 50.7395, 0.2974,
0.3198

Harmonies

Analogous

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



18.9989, 0.1689, 0.2323



18.9989, 0.1902, 0.2047



18.9989, 0.2412, 0.2057

Triad

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



18.9989, 0.1902, 0.2047



18.9989, 0.4689, 0.3324



18.9989, 0.2883, 0.4655

Complementary

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



18.9989, 0.1902, 0.2047



16.6397, 0.5805, 0.3773

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.



18.9989, 0.3690, 0.4865



18.9989, 0.1902, 0.2047



18.9989, 0.4788, 0.3938

Square

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



18.9989, 0.1902, 0.2047



18.9989, 0.4069, 0.2757



18.9989, 0.4392, 0.4518



18.9989, 0.2186, 0.3852

Rectangle

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



18.9989, 0.1902, 0.2047



18.9989, 0.2909, 0.2201



18.9989, 0.4392, 0.4518



18.9989, 0.3151, 0.4802

Sweetspot

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



18.9996, 0.1902, 0.2047



71.7828, 0.2658, 0.2980



40.8208, 0.2855, 0.5477



14.6488, 0.2594, 0.2929



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.



18.9996, 0.1902, 0.2047



33.1587, 0.1897, 0.2027



4.9906, 0.1533, 0.0718



11.3939, 0.2984, 0.3204



12.5236, 0.1907, 0.2065



0.7272, 0.1986, 0.2350

Inverse Universe

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



13.5120, 0.4400, 0.2197



23.8785, 0.4422, 0.2210



40.1212, 0.4486, 0.4820



10.7486, 0.3192, 0.3144



8.8042, 0.4380, 0.2186



0.4304, 0.4075, 0.2018

Previews

White Background



This preview shows how the Yxy color 18.9989, 0.1902, 0.2047 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 18.9989, 0.1902, 0.2047 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

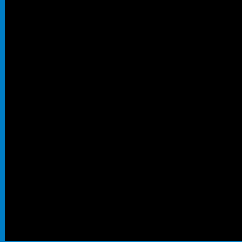
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.9989, 0.1902, 0.2047

Background



This preview shows how black text looks on a background with the Yxy color 18.9989, 0.1902, 0.2047.



This preview shows how white text looks on a background with the Yxy color 18.9989, 0.1902, 0.2047.

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

18.9989, 0.1902, 0.2047

Protanopia

19.0456, 0.2233, 0.2085

Deuteranopia

19.0272, 0.2051, 0.1998



Tritanopia

19.0334, 0.2194, 0.3097

Trichromacy



Original Color

18.9989, 0.1902, 0.2047

Protanomaly

18.4996, 0.2030, 0.2044

Deuteranomaly

18.8030, 0.1959, 0.2003

Tritanomaly

18.8769, 0.2071, 0.2654

Monochromacy



Original Color

18.9989, 0.1902, 0.2047

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 18.9989, 0.1902, 0.2047 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, 126, 198)` looks like.

```
.text, #text, p{  
    color:rgb(0, 126, 198)  
}
```

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, 126, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 126, 198) }
```

Border

The CSS property to change the border of an element to Yxy 18.9989, 0.1902, 0.2047 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, 126, 198) }
```

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

```
.border{ border-color:rgb(0, 126, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 126, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 126, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 126, 198);  
box-shadow:4px 4px 4px 4px rgb(0, 126,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9989, 0.1902, 0.2047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 126, 198) }
```

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

```
.background{ background-color: rgb(0, 126,  
198) }
```

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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