

Converting Colors

$Yxy(13.7608, 0.0958, 0.1769)$

Have a look what the booklet for
Yxy(13.7608, 0.0958, 0.1769)
contains.

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Color

Yxy(19.0452, 0.1899, 0.2035)

Conversions

Conversions Part 1

Format	Color
Hex	007EC7
RGB	0, 126, 199
RGB Percent	0%, 49%, 78%
CMY	0.9986, 0.5059, 0.2196
CMYK	1.00, 0.37, 0.00, 0.22
HSL	202°, 100%, 39%
HSV	202°, 100%, 78%
XYZ	17.7724, 19.0452, 56.7706
YIQ	96.6480, -98.5290, -4.0090

Conversions

Conversions Part 2

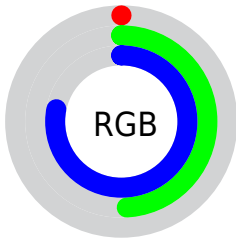
Format	Color
RYB	0, 77, 199
Decimal	32455
CIELab	50.74, -1.76, -45.90
CIELCh	51, 45.937, 267.809
Yxy	19.0452, 0.1899, 0.2035
Android (android.graphics.Color)	4278222535 (0xFF007EC7)
YUV	96.6480, 50.4595, -84.7603
Hunter-Lab	43.6408, -3.6786, -46.5795

Details

The Yxy color **19.0452, 0.1899, 0.2035** 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 **16.9567, 0.5791, 0.3782**, and the grayscale version is **11.7830, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.6022, 0.2148, 0.2297**, and **7.4931, 0.1816, 0.1737** is the 20% darker color. If you saturate the color by 10%, you get **19.0090, 0.1898, 0.2032**, and if you desaturate by 10%, it is **21.1343, 0.1957, 0.2173**.

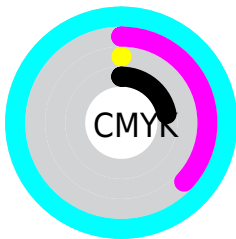
Distribution



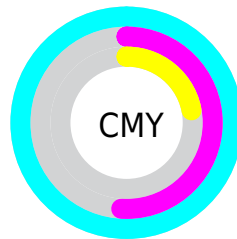
- Red (0%)
- Green (49%)
- Blue (78%)



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



- Cyan (100%)
- Magenta (37%)
- Yellow (0%)
- Black (22%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.0452, 0.1899, 0.2035 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 19.0452, 0.1899, 0.2035 by changing the saturation by 10% instead.

■ 19.0452, 0.1899,
0.2035

■ 19.0452, 0.1899,
0.2035

■ 246.6982, 0.2558,
0.2713

■ 11.7029, 0.1728,
0.1858

■ 41.8105, 0.2146,
0.2289

■ 6.5417, 0.1509,
0.1630

■ 58.0023, 0.2236,
0.2383

■ 3.1772, 0.1225,
0.1332

■ 77.9127, 0.2312,
0.2461

■ 1.2249, 0.0859,
0.0947

■ 101.9261, 0.2377,
0.2527

■ 0.0819, 0.0060,
0.0141

■ 130.4270, 0.2432,
0.2584

■ 0.0000, 0.0000,
0.0000

■ 163.7997, 0.2480,

0.2632

202.4287, 0.2522,
0.2675

■ 19.0452, 0.1899,
0.2035

■ 19.0452, 0.1899,
0.2035

■ 19.0090, 0.1898,
0.2032

■ 21.1343, 0.1957,
0.2173

■ 23.5161, 0.2032,
0.2313

■ 26.2456, 0.2129,
0.2455

■ 29.3531, 0.2244,
0.2596

■ 32.8646, 0.2375,
0.2732

■ 36.8031, 0.2517,
0.2862

■ 41.1897, 0.2668,
0.2984

■ 46.0434, 0.2822,
0.3096

■ 51.3825, 0.2977,
0.3199

Harmonies

Analogous

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



19.0452, 0.1679, 0.2307



19.0452, 0.1899, 0.2035



19.0452, 0.2418, 0.2051

Triad

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



19.0452, 0.1899, 0.2035



19.0452, 0.4710, 0.3334



19.0452, 0.2865, 0.4659

Complementary

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



19.0452, 0.1899, 0.2035



16.9567, 0.5791, 0.3782

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.



19.0452, 0.3679, 0.4882



19.0452, 0.1899, 0.2035



19.0452, 0.4799, 0.3952

Square

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



19.0452, 0.1899, 0.2035



19.0452, 0.4092, 0.2761



19.0452, 0.4391, 0.4536



19.0452, 0.2167, 0.3840

Rectangle

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



19.0452, 0.1899, 0.2035



19.0452, 0.2922, 0.2198



19.0452, 0.4391, 0.4536



19.0452, 0.3135, 0.4812

Sweetspot

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



19.0458, 0.1899, 0.2035



71.6186, 0.2658, 0.2976



41.3320, 0.2842, 0.5428



14.6096, 0.2593, 0.2925



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.



19.0458, 0.1899, 0.2035



32.8068, 0.1893, 0.2013



4.9028, 0.1528, 0.0700



11.3868, 0.2984, 0.3203



12.3954, 0.1903, 0.2051



0.7217, 0.1983, 0.2339

Inverse Universe

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



13.6560, 0.4413, 0.2206



23.8430, 0.4438, 0.2218



41.8437, 0.4450, 0.4848



10.7479, 0.3193, 0.3145



8.7913, 0.4395, 0.2195



0.4299, 0.4086, 0.2025

Previews

White Background



This preview shows how the Yxy color 19.0452, 0.1899, 0.2035 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 19.0452, 0.1899, 0.2035 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

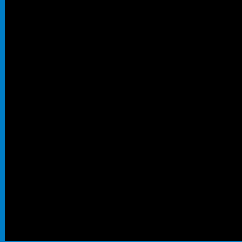
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.0452, 0.1899, 0.2035

Background



This preview shows how black text looks on a background with the Yxy color 19.0452, 0.1899, 0.2035.



This preview shows how white text looks on a background with the Yxy color 19.0452, 0.1899, 0.2035.

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

19.0452, 0.1899, 0.2035

Protanopia

19.0379, 0.2220, 0.2071

Deuteranopia

19.0382, 0.2041, 0.1985



Tritanopia

19.0334, 0.2194, 0.3097

Trichromacy



Original Color

19.0452, 0.1899, 0.2035

Protanomaly

18.5447, 0.2026, 0.2032

Deuteranomaly

18.8496, 0.1955, 0.1991

Tritanomaly

18.8769, 0.2071, 0.2654

Monochromacy



Original Color

19.0452, 0.1899, 0.2035

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 19.0452, 0.1899, 0.2035 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, 199)` looks like.

```
.text, #text, p{  
    color:rgb(0, 126, 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, 126, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 126, 199) }
```

Border

The CSS property to change the border of an element to Yxy 19.0452, 0.1899, 0.2035 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, 199) }
```

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

```
.border{ border-color:rgb(0, 126, 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, 126, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 126, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 126, 199);  
box-shadow:4px 4px 4px 4px rgb(0, 126,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 19.0452, 0.1899, 0.2035 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, 199) }
```

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

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