

Converting Colors

$Yxy(18.4187, 0.1683, 0.1600)$

Have a look what the booklet for
Yxy(18.4187, 0.1683, 0.1600)
contains.

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Color

Yxy(19.3879, 0.1790, 0.1643)

Conversions

Conversions Part 1

Format	Color
Hex	0079E6
RGB	0, 121, 230
RGB Percent	0%, 47%, 90%
CMY	0.9989, 0.5255, 0.0980
CMYK	1.00, 0.47, 0.00, 0.10
HSL	208°, 100%, 45%
HSV	208°, 100%, 90%
XYZ	21.1225, 19.3879, 77.4926
YIQ	97.2470, -107.1050, 8.2470

Conversions

Conversions Part 2

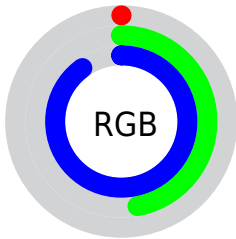
Format	Color
R_{YB}	0, 79, 230
Decimal	31206
CIE _{Lab}	51.14, 13.47, -62.81
CIE _{LCh}	51, 64.238, 282.104
Yxy	19.3879, 0.1790, 0.1643
Android (android.graphics.Color)	4278221286 (0xFF0079E6)
YUV	97.2470, 65.4472, -85.2856
Hunter-Lab	44.0317, 8.5732, -73.5239

Details

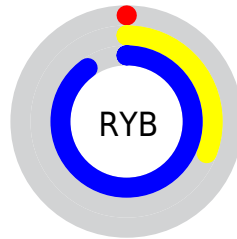
The Yxy color **19.3879, 0.1790, 0.1643** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **27.8250, 0.5501, 0.4013**, and the grayscale version is **11.8955, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1713, 0.2170, 0.2239**, and **7.9536, 0.1707, 0.1346** is the 20% darker color. If you saturate the color by 10%, you get **19.3530, 0.1789, 0.1641**, and if you desaturate by 10%, it is **22.3766, 0.1857, 0.1816**.

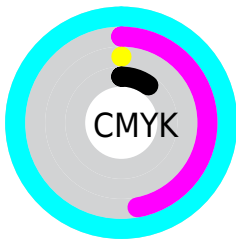
Distribution



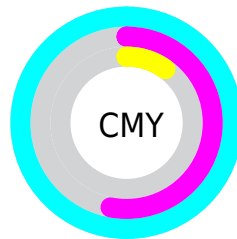
- Red (0%)
- Green (47%)
- Blue (90%)



- Red (0%)
- Yellow (31%)
- Blue (90%)



- Cyan (100%)
- Magenta (47%)
- Yellow (0%)
- Black (10%)



- Cyan (100%)
- Magenta (53%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.3879, 0.1790, 0.1643 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 19.3879, 0.1790, 0.1643 by changing the saturation by 10% instead.

■ 19.3879, 0.1790,
0.1643

■ 19.3879, 0.1790,
0.1643

248.5819, 0.2494,
0.2473

■ 11.9509, 0.1617,
0.1450

■ 42.3885, 0.2047,
0.1937

■ 6.7103, 0.1402,
0.1217

■ 58.7210, 0.2144,
0.2051

■ 3.2816, 0.1135,
0.0937

■ 78.7873, 0.2225,
0.2148

■ 1.2804, 0.0808,
0.0613

■ 102.9720, 0.2295,
0.2231

■ 0.1260, 0.0397,
0.0112

■ 131.6594, 0.2355,
0.2304

■ 0.0000, 0.0000,
0.0000

165.2339, 0.2407,

0.2367

204.0800, 0.2453,
0.2423

■ 19.3879, 0.1790,
0.1643

■ 19.3879, 0.1790,
0.1643

■ 19.3530, 0.1789,
0.1641

■ 22.3766, 0.1857,
0.1816

■ 25.8928, 0.1945,
0.1997

■ 30.0139, 0.2057,
0.2184

■ 34.7886, 0.2188,
0.2370

■ 40.2590, 0.2334,
0.2552

■ 46.4625, 0.2491,
0.2725

■ 53.4333, 0.2652,
0.2886

■ 61.2031, 0.2815,
0.3035

■ 69.8014, 0.2974,
0.3170

Harmonies

Analogous

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



19.3879, 0.1360, 0.1769



19.3879, 0.1790, 0.1643



19.3879, 0.2618, 0.1817

Triad

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



19.3879, 0.1790, 0.1643



19.3879, 0.5419, 0.3609



19.3879, 0.2234, 0.4790

Complementary

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



19.3879, 0.1790, 0.1643



27.8250, 0.5501, 0.4013

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.



19.3879, 0.3242, 0.5532



19.3879, 0.1790, 0.1643



19.3879, 0.5097, 0.4400

Square

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



19.3879, 0.1790, 0.1643



19.3879, 0.4945, 0.2886



19.3879, 0.4273, 0.5187



19.3879, 0.1535, 0.3366

Rectangle

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



19.3879, 0.1790, 0.1643



19.3879, 0.3387, 0.2082



19.3879, 0.4273, 0.5187



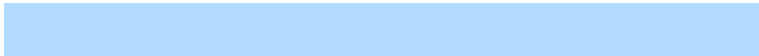
19.3879, 0.2550, 0.5167

Sweetspot

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



19.3884, 0.1790, 0.1643



67.2495, 0.2647, 0.2882



57.6683, 0.2761, 0.5140



13.5715, 0.2579, 0.2815



0.0000, 0.0000, 0.0000



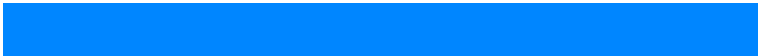
21.4041, 0.3127, 0.3290

Same Dimension

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



19.3884, 0.1790, 0.1643



24.2679, 0.1787, 0.1632



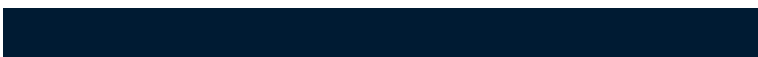
5.8877, 0.1505, 0.0616



15.1343, 0.2981, 0.3176



11.2033, 0.1797, 0.1668



1.0137, 0.1867, 0.1922

Inverse Universe

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



18.2099, 0.4877, 0.2461



22.9810, 0.4891, 0.2468



69.2497, 0.4253, 0.5005



14.4939, 0.3210, 0.3167



10.3287, 0.4847, 0.2444



0.7820, 0.4542, 0.2276

Previews

White Background



This preview shows how the Yxy color 19.3879, 0.1790, 0.1643 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 19.3879, 0.1790, 0.1643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

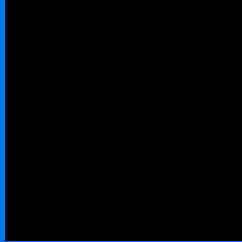
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

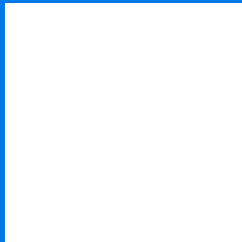
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.3879, 0.1790, 0.1643

Background



This preview shows how black text looks on a background with the Yxy color 19.3879, 0.1790, 0.1643.



This preview shows how white text looks on a background with the Yxy color 19.3879, 0.1790, 0.1643.

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

19.3879, 0.1790, 0.1643

Protanopia

19.5378, 0.1917, 0.1678

Deuteranopia

19.4251, 0.1835, 0.1807



Tritanopia

19.3416, 0.2194, 0.3098

Trichromacy



Original Color

19.3879, 0.1790, 0.1643

Protanomaly

19.2111, 0.1845, 0.1658

Deuteranomaly

19.4398, 0.1818, 0.1744

Tritanomaly

19.0604, 0.2011, 0.2438

Monochromacy



Original Color

19.3879, 0.1790, 0.1643

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

13.3765, 0.2254, 0.2461

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.3879, 0.1790, 0.1643 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, 121, 230)` looks like.

```
.text, #text, p{  
    color:rgb(0, 121, 230)  
}
```

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, 121, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 121, 230) }
```

Border

The CSS property to change the border of an element to Yxy 19.3879, 0.1790, 0.1643 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, 121, 230) }
```

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

```
.border{ border-color:rgb(0, 121, 230) }
```

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

Here you see how a box with a 4 pixel rgb(0, 121, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 121, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 121, 230);  
box-shadow:4px 4px 4px 4px rgb(0, 121,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 19.3879, 0.1790, 0.1643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 121, 230) }
```

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

```
.background{ background-color: rgb(0, 121,  
230) }
```

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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