

Converting Colors

$Yxy(16.1743, 0.1178, 0.1835)$

Have a look what the booklet for
Yxy(16.1743, 0.1178, 0.1835)
contains.

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Color

Yxy(20.7376, 0.1897, 0.2031)

Conversions

Conversions Part 1

Format	Color
Hex	0083CF
RGB	0, 131, 207
RGB Percent	0%, 51%, 81%
CMY	1.0000, 0.4862, 0.1883
CMYK	1.00, 0.37, 0.00, 0.19
HSL	202°, 100%, 41%
HSV	202°, 100%, 81%
XYZ	19.3694, 20.7376, 61.9984
YIQ	100.4950, -102.4720, -4.1360

Conversions

Conversions Part 2

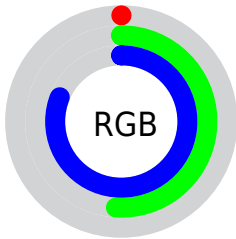
Format	Color
RYB	0, 80, 207
Decimal	33743
CIELab	52.66, -1.72, -47.39
CIELCh	53, 47.419, 267.925
Yxy	20.7376, 0.1897, 0.2031
Android (android.graphics.Color)	4278223823 (0xFF0083CF)
YUV	100.4950, 52.5070, -88.1341
Hunter-Lab	45.5386, -3.7692, -48.8433

Details

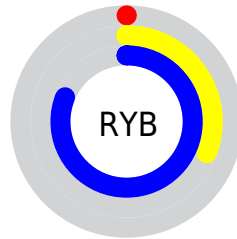
The Yxy color **20.7376, 0.1897, 0.2031** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **18.4246, 0.5801, 0.3776**, and the grayscale version is **12.7630, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.1536, 0.2175, 0.2380**, and **8.3016, 0.1816, 0.1735** is the 20% darker color. If you saturate the color by 10%, you get **20.7429, 0.1898, 0.2031**, and if you desaturate by 10%, it is **23.0152, 0.1954, 0.2169**.

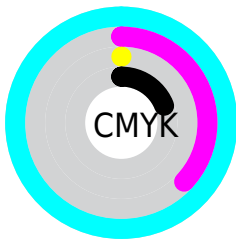
Distribution



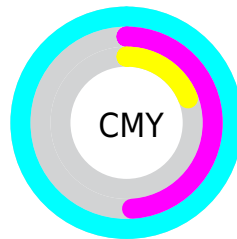
- Red (0%)
- Green (51%)
- Blue (81%)



- Red (0%)
- Yellow (31%)
- Blue (81%)



- Cyan (100%)
- Magenta (37%)
- Yellow (0%)
- Black (19%)



- Cyan (100%)
- Magenta (49%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.7376, 0.1897, 0.2031 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 20.7376, 0.1897, 0.2031 by changing the saturation by 10% instead.

■ 20.7376, 0.1897,
0.2031

■ 20.7376, 0.1897,
0.2031

■ 255.8807, 0.2548,
0.2701

■ 12.9323, 0.1731,
0.1859

■ 44.6504, 0.2138,
0.2280

■ 7.3820, 0.1520,
0.1639

■ 61.5268, 0.2228,
0.2373

■ 3.7021, 0.1249,
0.1356

■ 82.1956, 0.2303,
0.2450

■ 1.5084, 0.0903,
0.0990

■ 107.0413, 0.2367,
0.2516

■ 0.2946, 0.0322,
0.0399

■ 136.4482, 0.2422,
0.2572

■ 0.0000, 0.0000,
0.0000

170.8009, 0.2470,

0.2621

210.4835, 0.2511,
0.2664

■ 20.7376, 0.1897,
0.2031

■ 20.7376, 0.1897,
0.2031

■ 20.7429, 0.1898,
0.2031

■ 23.0152, 0.1954,
0.2169

■ 25.6074, 0.2029,
0.2309

■ 28.5795, 0.2125,
0.2451

■ 31.9650, 0.2240,
0.2592

■ 35.7926, 0.2371,
0.2729

■ 40.0878, 0.2513,
0.2859

■ 44.8736, 0.2664,
0.2981

■ 50.1714, 0.2818,
0.3094

■ 56.0009, 0.2974,
0.3197

Harmonies

Analogous

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



20.7376, 0.1676, 0.2302



20.7376, 0.1897, 0.2031



20.7376, 0.2418, 0.2048

Triad

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



20.7376, 0.1897, 0.2031



20.7376, 0.4717, 0.3336



20.7376, 0.2860, 0.4662

Complementary

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



20.7376, 0.1897, 0.2031



18.4246, 0.5801, 0.3776

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.



20.7376, 0.3677, 0.4888



20.7376, 0.1897, 0.2031



20.7376, 0.4803, 0.3955

Square

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



20.7376, 0.1897, 0.2031



20.7376, 0.4098, 0.2762



20.7376, 0.4392, 0.4541



20.7376, 0.2161, 0.3838

Rectangle

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



20.7376, 0.1897, 0.2031



20.7376, 0.2924, 0.2196



20.7376, 0.4392, 0.4541



20.7376, 0.3131, 0.4816

Sweetspot

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



20.7429, 0.1898, 0.2031



71.6426, 0.2658, 0.2977



45.1350, 0.2843, 0.5436



14.6153, 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.



20.7429, 0.1898, 0.2031



32.8581, 0.1893, 0.2015



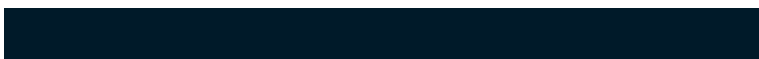
5.3154, 0.1527, 0.0696



12.6472, 0.2983, 0.3203



13.2580, 0.1903, 0.2050



0.8899, 0.1973, 0.2303

Inverse Universe

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



14.9015, 0.4418, 0.2207



23.8482, 0.4436, 0.2217



45.6550, 0.4451, 0.4848



11.9324, 0.3193, 0.3144



9.4097, 0.4396, 0.2196



0.5411, 0.4123, 0.2045

Previews

White Background



This preview shows how the Yxy color 20.7376, 0.1897, 0.2031 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 20.7376, 0.1897, 0.2031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

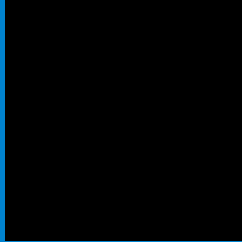
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7376, 0.1897, 0.2031

Background



This preview shows how black text looks on a background with the Yxy color 20.7376, 0.1897, 0.2031.



This preview shows how white text looks on a background with the Yxy color 20.7376, 0.1897, 0.2031.

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

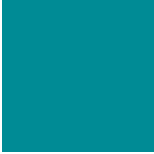
20.7376, 0.1897, 0.2031

Protanopia

20.7762, 0.2225, 0.2080

Deuteranopia

20.7779, 0.2041, 0.1984



Tritanopia

20.6352, 0.2190, 0.3083

Trichromacy



Original Color

20.7376, 0.1897, 0.2031

Protanomaly

20.1781, 0.2026, 0.2039

Deuteranomaly

20.5503, 0.1954, 0.1989

Tritanomaly

20.5106, 0.2067, 0.2639

Monochromacy



Original Color

20.7376, 0.1897, 0.2031

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

14.5718, 0.2334, 0.2690

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7376, 0.1897, 0.2031 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, 131, 207)` looks like.

```
.text, #text, p{  
    color:rgb(0, 131, 207)  
}
```

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, 131, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 131, 207) }
```

Border

The CSS property to change the border of an element to Yxy 20.7376, 0.1897, 0.2031 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, 131, 207) }
```

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

```
.border{ border-color:rgb(0, 131, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 131, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 131, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 131, 207);  
box-shadow:4px 4px 4px 4px rgb(0, 131,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7376, 0.1897, 0.2031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 131, 207) }
```

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

```
.background{ background-color: rgb(0, 131,  
207) }
```

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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