

Converting Colors

$Yxy(18.8216, 0.1975, 0.2311)$

Have a look what the booklet for
Yxy(18.8216, 0.1975, 0.2311)
contains.

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Color

Yxy(18.7745, 0.1975, 0.2309)

Conversions

Conversions Part 1

Format	Color
Hex	0080B5
RGB	0, 128, 181
RGB Percent	0%, 50%, 71%
CMY	0.9992, 0.4980, 0.2903
CMYK	1.00, 0.29, 0.00, 0.29
HSL	198°, 100%, 36%
HSV	198°, 100%, 71%
XYZ	16.0587, 18.7745, 46.4768
YIQ	95.7700, -93.3010, -10.6530

Conversions

Conversions Part 2

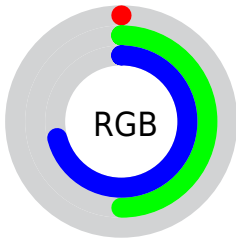
Format	Color
RYB	0, 75, 181
Decimal	32949
CIELab	50.42, -9.89, -36.07
CIELCh	50, 37.397, 254.668
Yxy	18.7745, 0.1975, 0.2309
Android (android.graphics.Color)	4278223029 (0xFF0080B5)
YUV	95.7700, 42.0184, -83.9903
Hunter-Lab	43.3296, -9.6713, -33.2659

Details

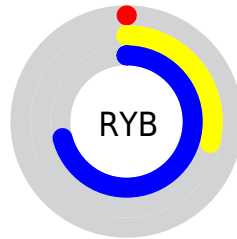
The Yxy color **18.7745, 0.1975, 0.2309** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **12.3832, 0.5973, 0.3638**, and the grayscale version is **11.5677, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4893, 0.2215, 0.2529**, and **7.1505, 0.1896, 0.2026** is the 20% darker color. If you saturate the color by 10%, you get **18.7575, 0.1974, 0.2308**, and if you desaturate by 10%, it is **20.3252, 0.2025, 0.2418**.

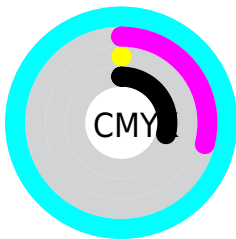
Distribution



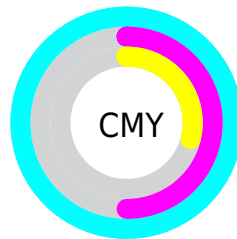
- Red (0%)
- Green (50%)
- Blue (71%)



- Red (0%)
- Yellow (29%)
- Blue (71%)



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (29%)



- Cyan (100%)
- Magenta (50%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.7745, 0.1975, 0.2309 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 18.7745, 0.1975, 0.2309 by changing the saturation by 10% instead.

■ 18.7745, 0.1975,
0.2309

■ 18.7745, 0.1975,
0.2309

■ 245.2010, 0.2601,
0.2860

■ 11.5075, 0.1807,
0.2154

■ 41.3527, 0.2212,
0.2523

■ 6.4092, 0.1588,
0.1946

■ 57.4327, 0.2299,
0.2600

■ 3.0955, 0.1297,
0.1658

■ 77.2190, 0.2371,
0.2663

■ 1.1818, 0.0906,
0.1252

■ 101.0962, 0.2431,
0.2715

■ 0.0468, 0.0000,
0.0127

■ 129.4486, 0.2483,
0.2760

■ 0.0000, 0.0000,
0.0000

■ 162.6606, 0.2528,

0.2798

201.1166, 0.2567,
0.2831

■ 18.7745, 0.1975,
0.2309

■ 18.7745, 0.1975,
0.2309

■ 18.7575, 0.1974,
0.2308

■ 20.3252, 0.2025,
0.2418

■ 22.0692, 0.2091,
0.2527

■ 24.0527, 0.2176,
0.2638

■ 26.2985, 0.2280,
0.2746

■ 28.8259, 0.2401,
0.2852

■ 31.6523, 0.2534,
0.2953

■ 34.7933, 0.2676,
0.3048

■ 38.2630, 0.2825,
0.3136

■ 42.0749, 0.2977,
0.3217

Harmonies

Analogous

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



18.7745, 0.1900, 0.2678



18.7745, 0.1975, 0.2309



18.7745, 0.2314, 0.2208

Triad

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



18.7745, 0.1975, 0.2309



18.7745, 0.4246, 0.3126



18.7745, 0.3229, 0.4536

Complementary

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



18.7745, 0.1975, 0.2309



12.3832, 0.5973, 0.3638

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.



18.7745, 0.3892, 0.4529



18.7745, 0.1975, 0.2309



18.7745, 0.4530, 0.3651

Square

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



18.7745, 0.1975, 0.2309



18.7745, 0.3616, 0.2665



18.7745, 0.4380, 0.4162



18.7745, 0.2574, 0.4057

Rectangle

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



18.7745, 0.1975, 0.2309



18.7745, 0.2678, 0.2272



18.7745, 0.4380, 0.4162



18.7745, 0.3459, 0.4587

Sweetspot

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



18.7751, 0.1975, 0.2309



61.9721, 0.2667, 0.3042



33.2796, 0.2898, 0.5630



12.8782, 0.2607, 0.3004



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



18.7751, 0.1975, 0.2309



33.1945, 0.1970, 0.2290



4.8122, 0.1564, 0.0829



9.2025, 0.2986, 0.3222



13.0600, 0.1978, 0.2321



0.5059, 0.2062, 0.2623

Inverse Universe

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



11.3833, 0.4117, 0.2042



20.3420, 0.4137, 0.2052



29.1088, 0.4634, 0.4701



8.6034, 0.3181, 0.3130



7.8585, 0.4104, 0.2035



0.2568, 0.3802, 0.1868

Previews

White Background



This preview shows how the Yxy color 18.7745, 0.1975, 0.2309 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 18.7745, 0.1975, 0.2309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

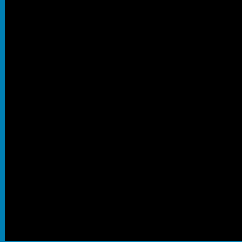
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.7745, 0.1975, 0.2309

Background



This preview shows how black text looks on a background with the Yxy color 18.7745, 0.1975, 0.2309.

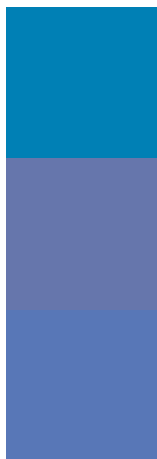


This preview shows how white text looks on a background with the Yxy color 18.7745, 0.1975, 0.2309.

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

18.7745, 0.1975, 0.2309

Protanopia

18.7602, 0.2432, 0.2351

Deuteranopia

18.6873, 0.2248, 0.2192



Tritanopia

18.7582, 0.2188, 0.3075

Trichromacy



Original Color

18.7745, 0.1975, 0.2309

Protanomaly

18.1380, 0.2159, 0.2320

Deuteranomaly

18.1372, 0.2077, 0.2211

Tritanomaly

18.6669, 0.2100, 0.2760

Monochromacy



Original Color

18.7745, 0.1975, 0.2309

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

13.2495, 0.2395, 0.2854

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7745, 0.1975, 0.2309 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, 128, 181)` looks like.

```
.text, #text, p{  
    color:rgb(0, 128, 181)  
}
```

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, 128, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 128, 181) }
```

Border

The CSS property to change the border of an element to Yxy 18.7745, 0.1975, 0.2309 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, 128, 181) }
```

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

```
.border{ border-color:rgb(0, 128, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 128, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 128, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 128, 181);  
box-shadow:4px 4px 4px 4px rgb(0, 128,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7745, 0.1975, 0.2309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 128, 181) }
```

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

```
.background{ background-color: rgb(0, 128,  
181) }
```

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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