

Converting Colors

$Y_{xy}(19.6039, 0.1897, 0.1810)$

Have a look what the booklet for
Yxy(19.6039, 0.1897, 0.1810)
contains.

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Color

Yxy(19.6893, 0.1896, 0.1812)

Conversions

Conversions Part 1

Format	Color
Hex	2B7BD9
RGB	43, 123, 217
RGB Percent	17%, 48%, 85%
CMY	0.8317, 0.5176, 0.1490
CMYK	0.80, 0.43, 0.00, 0.15
HSL	212°, 70%, 51%
HSV	212°, 80%, 85%
XYZ	20.6020, 19.6893, 68.3692
YIQ	109.7960, -77.8540, 12.2740

Conversions

Conversions Part 2

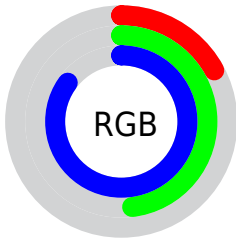
Format	Color
R_{YB}	43, 98, 217
Decimal	2849753
CIE _{Lab}	51.48, 9.47, -54.91
CIE _{LCh}	51, 55.722, 279.785
Yxy	19.6893, 0.1896, 0.1812
Android (android.graphics.Color)	4281039833 (0xFF2B7BD9)
YUV	109.7960, 52.8516, -58.5801
Hunter-Lab	44.3726, 5.2248, -60.2931

Details

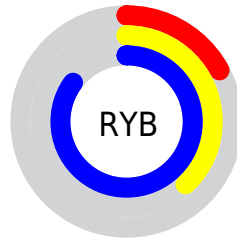
The Yxy color **19.6893, 0.1896, 0.1812** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **32.7986, 0.4909, 0.4238**, and the grayscale version is **15.3887, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.5248, 0.2217, 0.2276**, and **7.6054, 0.1746, 0.1483** is the 20% darker color. If you saturate the color by 10%, you get **16.6042, 0.1801, 0.1611**, and if you desaturate by 10%, it is **23.3727, 0.2016, 0.2022**.

Distribution



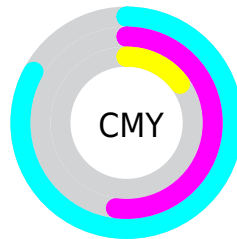
- Red (17%)
- Green (48%)
- Blue (85%)



- Red (17%)
- Yellow (38%)
- Blue (85%)



- Cyan (80%)
- Magenta (43%)
- Yellow (0%)
- Black (15%)



- Cyan (83%)
- Magenta (52%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.6893, 0.1896, 0.1812 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 19.6893, 0.1896, 0.1812 by changing the saturation by 10% instead.

■ 19.6893, 0.1896,
0.1812

■ 19.6893, 0.1896,
0.1812

250.2281, 0.2552,
0.2575

■ 12.1694, 0.1730,
0.1626

■ 42.8957, 0.2139,
0.2089

■ 6.8592, 0.1519,
0.1395

■ 59.3509, 0.2229,
0.2194

■ 3.3742, 0.1250,
0.1109

■ 79.5534, 0.2305,
0.2282

■ 1.3301, 0.0910,
0.0760

■ 103.8875, 0.2369,
0.2358

■ 0.1643, 0.0434,
0.0184

■ 132.7376, 0.2425,
0.2424

■ 0.0000, 0.0000,
0.0000

166.4882, 0.2473,

0.2481

205.5235, 0.2515,
0.2531

■ 19.6893, 0.1896,
0.1812

■ 19.6893, 0.1896,
0.1812

■ 16.6042, 0.1801,
0.1611

■ 23.3727, 0.2016,
0.2022

■ 14.0923, 0.1730,
0.1429

■ 27.6990, 0.2156,
0.2233

■ 32.7091, 0.2311,
0.2441

■ 38.4392, 0.2474,
0.2639

■ 44.9224, 0.2642,
0.2824

■ 52.1896, 0.2808,
0.2995

■ 60.2695, 0.2969,
0.3149

■ 69.1893, 0.3124,
0.3287

■ 78.9748, 0.3270,
0.3410

Harmonies

Analogous

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



19.6893, 0.1521, 0.1965



19.6893, 0.1896, 0.1812



19.6893, 0.2620, 0.1948

Triad

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



19.6893, 0.1896, 0.1812



19.6893, 0.5128, 0.3574



19.6893, 0.2431, 0.4635

Complementary

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



19.6893, 0.1896, 0.1812



32.7986, 0.4909, 0.4238

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.



19.6893, 0.3349, 0.5217



19.6893, 0.1896, 0.1812



19.6893, 0.4936, 0.4285

Square

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



19.6893, 0.1896, 0.1812



19.6893, 0.4641, 0.2906



19.6893, 0.4259, 0.4948



19.6893, 0.1759, 0.3467

Rectangle

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



19.6893, 0.1896, 0.1812



19.6893, 0.3282, 0.2181



19.6893, 0.4259, 0.4948



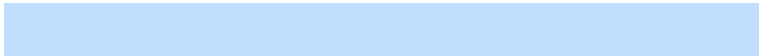
19.6893, 0.2723, 0.4930

Sweetspot

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



19.6899, 0.1896, 0.1812



70.8805, 0.2742, 0.2929



51.9158, 0.2657, 0.4563



14.3726, 0.2682, 0.2867



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.



19.6899, 0.1896, 0.1812



21.4052, 0.1752, 0.1486



7.3786, 0.1658, 0.0835



13.5993, 0.2982, 0.3160



8.7359, 0.1738, 0.1455



0.7370, 0.1824, 0.1765

Inverse Universe

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



17.9061, 0.4629, 0.2507



22.9068, 0.5072, 0.2587



63.6868, 0.4086, 0.4988



13.1507, 0.3220, 0.3183



9.5057, 0.5118, 0.2593



0.6331, 0.4727, 0.2378

Previews

White Background



This preview shows how the Yxy color 19.6893, 0.1896, 0.1812 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 19.6893, 0.1896, 0.1812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

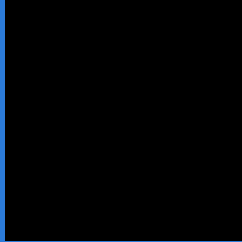
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

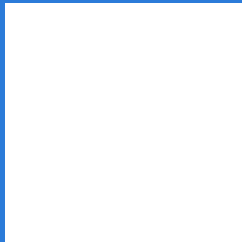
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.6893, 0.1896, 0.1812

Background



This preview shows how black text looks on a background with the Yxy color 19.6893, 0.1896, 0.1812.



This preview shows how white text looks on a background with the Yxy color 19.6893, 0.1896, 0.1812.

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

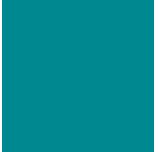
19.6893, 0.1896, 0.1812

Protanopia

19.6600, 0.2039, 0.1836

Deuteranopia

19.7484, 0.1877, 0.1820



Tritanopia

19.6527, 0.2194, 0.3099

Trichromacy



Original Color

19.6893, 0.1896, 0.1812

Protanomaly

19.4462, 0.1976, 0.1821

Deuteranomaly

19.8184, 0.1885, 0.1823

Tritanomaly

19.2830, 0.2053, 0.2524

Monochromacy



Original Color

19.6893, 0.1896, 0.1812

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

16.4098, 0.2459, 0.2622

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6893, 0.1896, 0.1812 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(43, 123, 217)` looks like.

```
.text, #text, p{  
  color:rgb(43, 123, 217)  
}
```

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(43, 123, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 123, 217) }
```

Border

The CSS property to change the border of an element to Yxy 19.6893, 0.1896, 0.1812 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(43, 123, 217) }
```

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

```
.border{ border-color:rgb(43, 123, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 123, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 123, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 123, 217);  
box-shadow:4px 4px 4px 4px rgb(43, 123,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6893, 0.1896, 0.1812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 123, 217) }
```

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

```
.background{ background-color: rgb(43, 123,  
217) }
```

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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