

Converting Colors

$Y_{xy}(19.2403, 0.2010, 0.1972)$

Have a look what the booklet for
Yxy(19.2403, 0.2010, 0.1972)
contains.

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Color

Yxy(19.1754, 0.2009, 0.1971)

Conversions

Conversions Part 1

Format	Color
Hex	3D7ACA
RGB	61, 122, 202
RGB Percent	24%, 48%, 79%
CMY	0.7610, 0.5216, 0.2077
CMYK	0.70, 0.40, 0.00, 0.21
HSL	214°, 57%, 52%
HSV	214°, 70%, 79%
XYZ	19.5451, 19.1754, 58.5672
YIQ	112.8810, -62.0360, 11.9480

Conversions

Conversions Part 2

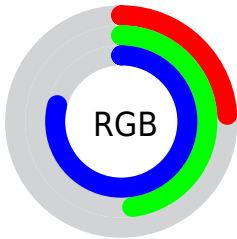
Format	Color
R _Y B	61, 104, 202
Decimal	4029130
CIE Lab	50.89, 6.80, -47.32
CIE LCh	51, 47.808, 278.173
Yxy	19.1754, 0.2009, 0.1971
Android (android.graphics.Color)	4282219210 (0xFF3D7ACA)
YUV	112.8810, 43.9357, -45.4996
Hunter-Lab	43.7897, 3.0396, -48.6454

Details

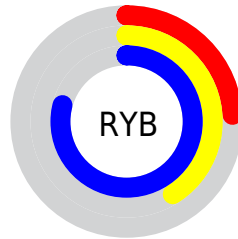
The Yxy color **19.1754, 0.2009, 0.1971** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark muted azure. A complement of this color would be **31.9425, 0.4605, 0.4236**, and the grayscale version is **16.3549, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.7772, 0.2258, 0.2273**, and **7.0041, 0.1783, 0.1619** is the 20% darker color. If you saturate the color by 10%, you get **16.0011, 0.1885, 0.1753**, and if you desaturate by 10%, it is **22.9242, 0.2154, 0.2192**.

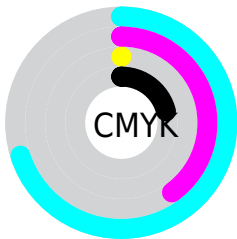
Distribution



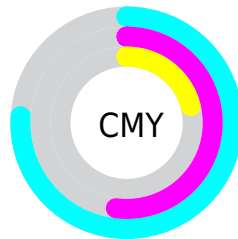
- Red (24%)
- Green (48%)
- Blue (79%)



- Red (24%)
- Yellow (41%)
- Blue (79%)



- Cyan (70%)
- Magenta (40%)
- Yellow (0%)
- Black (21%)



- Cyan (76%)
- Magenta (52%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.1754, 0.2009, 0.1971 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 19.1754, 0.2009, 0.1971 by changing the saturation by 10% instead.

■ 19.1754, 0.2009,
0.1971

■ 19.1754, 0.2009,
0.1971

247.4154, 0.2615,
0.2670

■ 11.7971, 0.1849,
0.1792

■ 42.0303, 0.2237,
0.2230

■ 6.6057, 0.1643,
0.1565

■ 58.2756, 0.2321,
0.2326

■ 3.2167, 0.1372,
0.1273

■ 78.2454, 0.2391,
0.2407

■ 1.2459, 0.1015,
0.0900

■ 102.3241, 0.2449,
0.2476

■ 0.0987, 0.0403,
0.0153

■ 130.8961, 0.2500,
0.2534

■ 0.0000, 0.0000,
0.0000

164.3457, 0.2543,

0.2586

203.0573, 0.2581,
0.2630

■ 19.1754, 0.2009,
0.1971

■ 19.1754, 0.2009,
0.1971

■ 16.0011, 0.1885,
0.1753

■ 22.9242, 0.2154,
0.2192

■ 13.3593, 0.1785,
0.1545

■ 27.2808, 0.2312,
0.2409

■ 11.1852, 0.1710,
0.1354

■ 32.2777, 0.2479,
0.2616

■ 11.1510, 0.1709,
0.1351

■ 37.9441, 0.2648,
0.2810

■ 44.3070, 0.2815,
0.2988

■ 51.3919, 0.2976,
0.3149

■ 59.2228, 0.3130,
0.3292

■ 67.8225, 0.3274,
0.3420

■ 77.2128, 0.3409,
0.3532

Harmonies

Analogous

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



19.1754, 0.1679, 0.2138



19.1754, 0.2009, 0.1971



19.1754, 0.2647, 0.2078

Triad

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



19.1754, 0.2009, 0.1971



19.1754, 0.4866, 0.3545



19.1754, 0.2576, 0.4475

Complementary

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



19.1754, 0.2009, 0.1971



31.9425, 0.4605, 0.4236

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.



19.1754, 0.3401, 0.4949



19.1754, 0.2009, 0.1971



19.1754, 0.4757, 0.4183

Square

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



19.1754, 0.2009, 0.1971



19.1754, 0.4401, 0.2935



19.1754, 0.4197, 0.4744



19.1754, 0.1949, 0.3511

Rectangle

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



19.1754, 0.2009, 0.1971



19.1754, 0.3221, 0.2282



19.1754, 0.4197, 0.4744



19.1754, 0.2840, 0.4712

Sweetspot

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



19.1760, 0.2009, 0.1971



73.3464, 0.2791, 0.2963



45.1665, 0.2642, 0.4284



15.0386, 0.2744, 0.2914



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.



19.1760, 0.2009, 0.1971



24.5967, 0.1828, 0.1641



8.9140, 0.1846, 0.1106



11.6291, 0.2983, 0.3155



7.3431, 0.1715, 0.1375



0.5287, 0.1822, 0.1760

Inverse Universe

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



17.2988, 0.4407, 0.2580



24.5391, 0.4848, 0.2570



53.8805, 0.3979, 0.4887



11.2929, 0.3223, 0.3190



8.5443, 0.5224, 0.2652



0.4559, 0.4734, 0.2381

Previews

White Background



This preview shows how the Yxy color 19.1754, 0.2009, 0.1971 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 19.1754, 0.2009, 0.1971 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

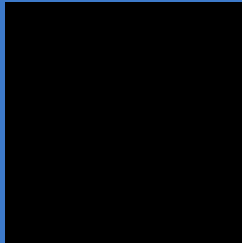
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

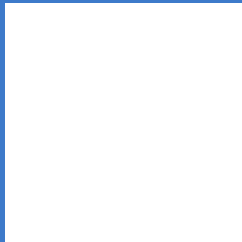
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.1754, 0.2009, 0.1971

Background



This preview shows how black text looks on a background with the Yxy color 19.1754, 0.2009, 0.1971.



This preview shows how white text looks on a background with the Yxy color 19.1754, 0.2009, 0.1971.

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

19.1754, 0.2009, 0.1971

Protanopia

19.1088, 0.2160, 0.1994

Deuteranopia

19.0290, 0.2019, 0.1959



Tritanopia

19.0945, 0.2182, 0.3056

Trichromacy



Original Color

19.1754, 0.2009, 0.1971

Protanomaly

18.9369, 0.2097, 0.1981

Deuteranomaly

18.9958, 0.2014, 0.1957

Tritanomaly

18.8890, 0.2082, 0.2587

Monochromacy



Original Color

19.1754, 0.2009, 0.1971

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.9148, 0.2572, 0.2724

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.1754, 0.2009, 0.1971 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(61, 122, 202)` looks like.

```
.text, #text, p{  
    color:rgb(61, 122, 202)  
}
```

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(61, 122, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 122, 202) }
```

Border

The CSS property to change the border of an element to Yxy 19.1754, 0.2009, 0.1971 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(61, 122, 202) }
```

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

```
.border{ border-color:rgb(61, 122, 202) }
```

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

Here you see how a box with a 4 pixel rgb(61, 122, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 122, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 122, 202);  
box-shadow:4px 4px 4px 4px rgb(61, 122,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 19.1754, 0.2009, 0.1971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 122, 202) }
```

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

```
.background{ background-color: rgb(61, 122,  
202) }
```

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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