

Converting Colors

$Yxy(18.7415, 0.1788, 0.2117)$

Have a look what the booklet for
Yxy(18.7415, 0.1788, 0.2117)
contains.

Yxy(19.5956, 0.1931, 0.2152)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(19.5956, 0.1931, 0.2152)

Conversions

Conversions Part 1

Format	Color
Hex	0081C2
RGB	0, 129, 194
RGB Percent	0%, 51%, 76%
CMY	1.0000, 0.4941, 0.2393
CMYK	1.00, 0.33, 0.00, 0.24
HSL	200°, 100%, 38%
HSV	200°, 100%, 76%
XYZ	17.5832, 19.5956, 53.8788
YIQ	97.8390, -97.7490, -7.1330

Conversions

Conversions Part 2

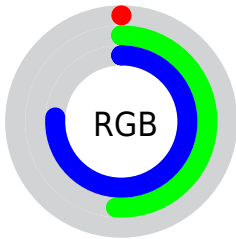
Format	Color
RYB	0, 77, 194
Decimal	33218
CIELab	51.38, -5.52, -42.02
CIELCh	51, 42.385, 262.518
Yxy	19.5956, 0.1931, 0.2152
Android (android.graphics.Color)	4278223298 (0xFF0081C2)
YUV	97.8390, 47.4074, -85.8048
Hunter-Lab	44.2669, -6.5653, -41.1771

Details

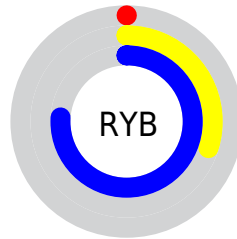
The Yxy color **19.5956, 0.1931, 0.2152** is a dark color, and the websafe version is hex **006699**. The color can be described as dark washed azure. A complement of this color would be **15.2421, 0.5879, 0.3714**, and the grayscale version is **12.0715, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.9077, 0.2172, 0.2392**, and **7.6308, 0.1849, 0.1856** is the 20% darker color. If you saturate the color by 10%, you get **19.5975, 0.1931, 0.2152**, and if you desaturate by 10%, it is **21.5064, 0.1985, 0.2277**.

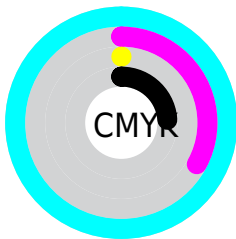
Distribution



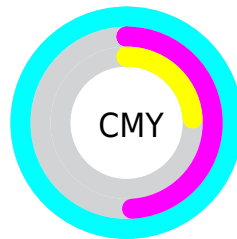
- Red (0%)
- Green (51%)
- Blue (76%)



- Red (0%)
- Yellow (30%)
- Blue (76%)



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (24%)



- Cyan (100%)
- Magenta (49%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.5956, 0.1931, 0.2152 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 19.5956, 0.1931, 0.2152 by changing the saturation by 10% instead.

■ 19.5956, 0.1931,
0.2152

■ 19.5956, 0.1931,
0.2152

■ 249.7174, 0.2573,
0.2774

■ 12.1014, 0.1763,
0.1985

■ 42.7381, 0.2172,
0.2388

■ 6.8128, 0.1547,
0.1768

■ 59.1553, 0.2260,
0.2474

■ 3.3453, 0.1265,
0.1478

■ 79.3155, 0.2334,
0.2546

■ 1.3146, 0.0897,
0.1090

■ 103.6033, 0.2397,
0.2606

■ 0.1524, 0.0019,
0.0291

■ 132.4030, 0.2450,
0.2657

■ 0.0000, 0.0000,
0.0000

■ 166.0990, 0.2497,

0.2702

205.0756, 0.2537,
0.2740

■ 19.5956, 0.1931,
0.2152

■ 19.5956, 0.1931,
0.2152

■ 19.5975, 0.1931,
0.2152

■ 21.5064, 0.1985,
0.2277

■ 23.6685, 0.2056,
0.2405

■ 26.1364, 0.2147,
0.2533

■ 28.9379, 0.2257,
0.2659

■ 32.0969, 0.2383,
0.2782

■ 35.6345, 0.2522,
0.2900

■ 39.5699, 0.2669,
0.3010

■ 43.9204, 0.2821,
0.3112

■ 48.7026, 0.2974,
0.3205

Harmonies

Analogous

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



19.5956, 0.1774, 0.2467



19.5956, 0.1931, 0.2152



19.5956, 0.2370, 0.2118

Triad

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



19.5956, 0.1931, 0.2152



19.5956, 0.4507, 0.3244



19.5956, 0.3028, 0.4609

Complementary

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



19.5956, 0.1931, 0.2152



15.2421, 0.5879, 0.3714

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.



19.5956, 0.3778, 0.4723



19.5956, 0.1931, 0.2152



19.5956, 0.4687, 0.3821

Square

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



19.5956, 0.1931, 0.2152



19.5956, 0.3877, 0.2719



19.5956, 0.4394, 0.4369



19.5956, 0.2345, 0.3944

Rectangle

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



19.5956, 0.1931, 0.2152



19.5956, 0.2810, 0.2230



19.5956, 0.4394, 0.4369



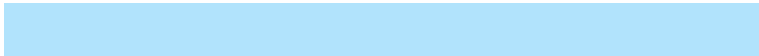
19.5956, 0.3281, 0.4714

Sweetspot

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



19.5975, 0.1931, 0.2152



71.3559, 0.2661, 0.3005



38.9497, 0.2866, 0.5518



14.9380, 0.2598, 0.2958



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.



19.5975, 0.1931, 0.2152



35.0268, 0.1926, 0.2133



4.9447, 0.1540, 0.0742



10.8417, 0.2984, 0.3211



13.0446, 0.1936, 0.2169



0.6863, 0.2013, 0.2448

Inverse Universe

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



13.0512, 0.4284, 0.2134



23.6032, 0.4305, 0.2145



37.1817, 0.4523, 0.4791



10.1883, 0.3188, 0.3138



8.5991, 0.4266, 0.2124



0.3839, 0.3974, 0.1963

Previews

White Background



This preview shows how the Yxy color 19.5956, 0.1931, 0.2152 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 19.5956, 0.1931, 0.2152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

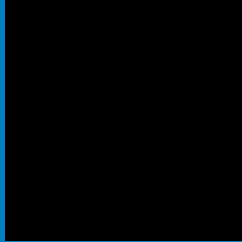
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.5956, 0.1931, 0.2152

Background



This preview shows how black text looks on a background with the Yxy color 19.5956, 0.1931, 0.2152.



This preview shows how white text looks on a background with the Yxy color 19.5956, 0.1931, 0.2152.

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

19.5956, 0.1931, 0.2152

Protanopia

19.6308, 0.2315, 0.2193

Deuteranopia

19.5669, 0.2129, 0.2067



Tritanopia

19.6527, 0.2194, 0.3099

Trichromacy



Original Color

19.5956, 0.1931, 0.2152



Protanomaly

18.8968, 0.2081, 0.2146



Deuteranomaly

19.2855, 0.2007, 0.2093



Tritanomaly

19.4194, 0.2082, 0.2696

Monochromacy



Original Color

19.5956, 0.1931, 0.2152



Achromatopsia

12.2139, 0.3127, 0.3290



Achromatomaly

13.6549, 0.2359, 0.2756

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5956, 0.1931, 0.2152 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, 129, 194)` looks like.

```
.text, #text, p{  
    color:rgb(0, 129, 194)  
}
```

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, 129, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 129, 194) }
```

Border

The CSS property to change the border of an element to Yxy 19.5956, 0.1931, 0.2152 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, 129, 194) }
```

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

```
.border{ border-color:rgb(0, 129, 194) }
```

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

Here you see how a box with a 4 pixel rgb(0, 129, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 129, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 129, 194);  
box-shadow:4px 4px 4px 4px rgb(0, 129,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 19.5956, 0.1931, 0.2152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 129, 194) }
```

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

```
.background{ background-color: rgb(0, 129,  
194) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor