

Converting Colors

$Yxy(19.3228, 0.2038, 0.2535)$

Have a look what the booklet for
Yxy(19.3228, 0.2038, 0.2535)
contains.

Yxy(19.4428, 0.2039, 0.2541)	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(19.4428, 0.2039, 0.2541)

Conversions

Conversions Part 1

Format	Color
Hex	0084AB
RGB	0, 132, 171
RGB Percent	0%, 52%, 67%
CMY	1.0000, 0.4823, 0.3293
CMYK	1.00, 0.23, 0.00, 0.33
HSL	194°, 100%, 34%
HSV	194°, 100%, 67%
XYZ	15.6017, 19.4428, 41.4719
YIQ	96.9780, -91.1910, -15.8550

Conversions

Conversions Part 2

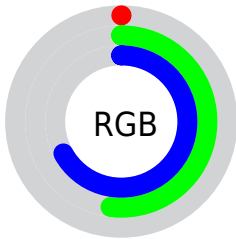
Format	Color
RYB	0, 74, 171
Decimal	33963
CIELab	51.20, -15.89, -29.11
CIELCh	51, 33.167, 241.367
Yxy	19.4428, 0.2039, 0.2541
Android (android.graphics.Color)	4278224043 (0xFF0084AB)
YUV	96.9780, 36.4928, -85.0497
Hunter-Lab	44.0940, -14.0062, -24.8984

Details

The Yxy color **19.4428, 0.2039, 0.2541** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **10.1136, 0.6114, 0.3528**, and the grayscale version is **11.8752, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.4131, 0.2268, 0.2717**, and **7.3665, 0.1968, 0.2284** is the 20% darker color. If you saturate the color by 10%, you get **19.4449, 0.2039, 0.2541**, and if you desaturate by 10%, it is **20.6433, 0.2081, 0.2624**.

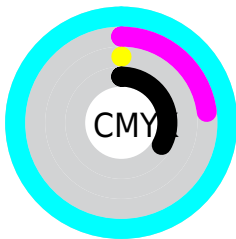
Distribution



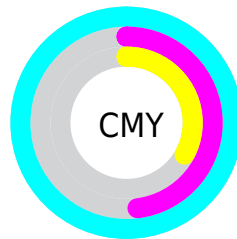
- Red (0%)
- Green (52%)
- Blue (67%)



- Red (0%)
- Yellow (29%)
- Blue (67%)



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (33%)



- Cyan (100%)
- Magenta (48%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.4428, 0.2039, 0.2541 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 19.4428, 0.2039, 0.2541 by changing the saturation by 10% instead.

19.4428, 0.2039,
0.2541

19.4428, 0.2039,
0.2541

248.8825, 0.2631,
0.2973

11.9907, 0.1878,
0.2413

42.4810, 0.2265,
0.2713

6.7373, 0.1666,
0.2237

58.8359, 0.2347,
0.2772

3.2984, 0.1379,
0.1984

78.9271, 0.2414,
0.2821

1.2894, 0.0981,
0.1600

103.1391, 0.2472,
0.2862

0.1330, 0.0000,
0.0459

131.8562, 0.2520,
0.2896

0.0000, 0.0000,
0.0000

165.4629, 0.2562,

0.2926

204.3435, 0.2599,
0.2951

■ 19.4428, 0.2039,
0.2541

■ 19.4428, 0.2039,
0.2541

■ 19.4449, 0.2039,
0.2541

■ 20.6433, 0.2081,
0.2624

■ 21.9851, 0.2138,
0.2707

■ 23.5122, 0.2215,
0.2790

■ 25.2437, 0.2309,
0.2872

■ 27.1963, 0.2421,
0.2953

■ 29.3843, 0.2546,
0.3030

■ 31.8209, 0.2682,
0.3102

■ 34.5181, 0.2827,
0.3170

■ 37.4872, 0.2976,
0.3233

Harmonies

Analogous

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



19.4428, 0.2084, 0.2985



19.4428, 0.2039, 0.2541



19.4428, 0.2242, 0.2339

Triad

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



19.4428, 0.2039, 0.2541



19.4428, 0.3890, 0.2957



19.4428, 0.3497, 0.4425

Complementary

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



19.4428, 0.2039, 0.2541



10.1136, 0.6114, 0.3528

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.



19.4428, 0.4031, 0.4276



19.4428, 0.2039, 0.2541



19.4428, 0.4294, 0.3415

Square

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



19.4428, 0.2039, 0.2541



19.4428, 0.3275, 0.2585



19.4428, 0.4337, 0.3887



19.4428, 0.2893, 0.4182

Rectangle

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



19.4428, 0.2039, 0.2541



19.4428, 0.2506, 0.2333



19.4428, 0.4337, 0.3887



19.4428, 0.3691, 0.4413

Sweetspot

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



19.4449, 0.2039, 0.2541



56.7267, 0.2675, 0.3099



29.2700, 0.2934, 0.5763



12.2419, 0.2618, 0.3069



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



19.4449, 0.2039, 0.2541



34.4787, 0.2035, 0.2527



5.0929, 0.1602, 0.0968



8.7575, 0.2986, 0.3237



14.7354, 0.2042, 0.2549



0.4850, 0.2111, 0.2799

Inverse Universe

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



10.3270, 0.3882, 0.1912



18.4550, 0.3896, 0.1920



22.7203, 0.4797, 0.4573



8.1163, 0.3171, 0.3117



7.7906, 0.3874, 0.1908



0.2243, 0.3636, 0.1777

Previews

White Background



This preview shows how the Yxy color 19.4428, 0.2039, 0.2541 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 19.4428, 0.2039, 0.2541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

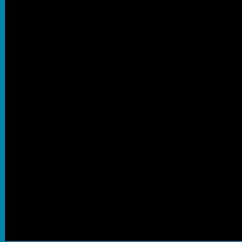
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.4428, 0.2039, 0.2541

Background



This preview shows how black text looks on a background with the Yxy color 19.4428, 0.2039, 0.2541.

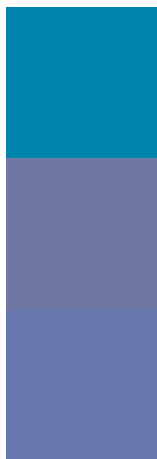


This preview shows how white text looks on a background with the Yxy color 19.4428, 0.2039, 0.2541.

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

19.4428, 0.2039, 0.2541

Protanopia

19.3566, 0.2591, 0.2550

Deuteranopia

19.3137, 0.2423, 0.2359



Tritanopia

19.4033, 0.2183, 0.3057

Trichromacy



Original Color

19.4428, 0.2039, 0.2541

Protanomaly

18.4340, 0.2256, 0.2517

Deuteranomaly

18.5563, 0.2179, 0.2388

Tritanomaly

19.4168, 0.2128, 0.2861

Monochromacy



Original Color

19.4428, 0.2039, 0.2541

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

13.6312, 0.2438, 0.2967

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4428, 0.2039, 0.2541 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, 132, 171)` looks like.

```
.text, #text, p{  
    color:rgb(0, 132, 171)  
}
```

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, 132, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 132, 171) }
```

Border

The CSS property to change the border of an element to Yxy 19.4428, 0.2039, 0.2541 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, 132, 171) }
```

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

```
.border{ border-color:rgb(0, 132, 171) }
```

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

Here you see how a box with a 4 pixel rgb(0, 132, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 132, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 132, 171);  
box-shadow:4px 4px 4px 4px rgb(0, 132,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 19.4428, 0.2039, 0.2541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 132, 171) }
```

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

```
.background{ background-color: rgb(0, 132,  
171) }
```

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