

Converting Colors

$Yxy(17.7392, 0.1807, 0.2432)$

Have a look what the booklet for
Yxy(17.7392, 0.1807, 0.2432)
contains.

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Color

Yxy(18.9824, 0.2019, 0.2469)

Conversions

Conversions Part 1

Format	Color
Hex	0082AD
RGB	0, 130, 173
RGB Percent	0%, 51%, 68%
CMY	1.0000, 0.4902, 0.3216
CMYK	1.00, 0.25, 0.00, 0.32
HSL	195°, 100%, 34%
HSV	195°, 100%, 68%
XYZ	15.5227, 18.9824, 42.3779
YIQ	96.0320, -91.2830, -14.1870

Conversions

Conversions Part 2

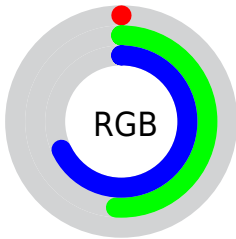
Format	Color
RYB	0, 74, 173
Decimal	33453
CIELab	50.67, -14.05, -31.08
CIELCh	51, 34.110, 245.672
Yxy	18.9824, 0.2019, 0.2469
Android (android.graphics.Color)	4278223533 (0xFF0082AD)
YUV	96.0320, 37.9452, -84.2201
Hunter-Lab	43.5688, -12.6495, -27.1712

Details

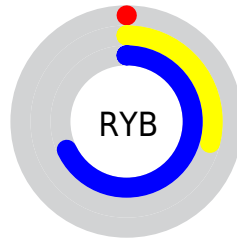
The Yxy color **18.9824, 0.2019, 0.2469** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **10.6104, 0.6072, 0.3560**, and the grayscale version is **11.6294, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.7483, 0.2248, 0.2651**, and **7.2409, 0.1954, 0.2234** is the 20% darker color. If you saturate the color by 10%, you get **18.9844, 0.2019, 0.2469**, and if you desaturate by 10%, it is **20.2741, 0.2064, 0.2560**.

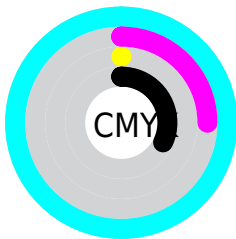
Distribution



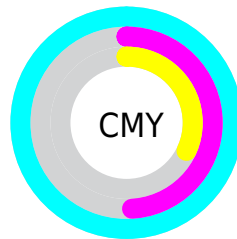
- Red (0%)
- Green (51%)
- Blue (68%)



- Red (0%)
- Yellow (29%)
- Blue (68%)



- Cyan (100%)
- Magenta (25%)
- Yellow (0%)
- Black (32%)



- Cyan (100%)
- Magenta (49%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.9824, 0.2019, 0.2469 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 18.9824, 0.2019, 0.2469 by changing the saturation by 10% instead.

■ 18.9824, 0.2019,
0.2469

■ 18.9824, 0.2019,
0.2469

■ 246.3516, 0.2623,
0.2939

■ 11.6576, 0.1855,
0.2331

■ 41.7044, 0.2249,
0.2655

■ 6.5110, 0.1639,
0.2143

■ 57.8703, 0.2333,
0.2720

■ 3.1582, 0.1348,
0.1875

■ 77.7520, 0.2402,
0.2774

■ 1.2149, 0.0948,
0.1478

■ 101.7339, 0.2460,
0.2818

■ 0.0738, 0.0000,
0.0247

■ 130.2004, 0.2510,
0.2856

■ 0.0000, 0.0000,
0.0000

■ 163.5360, 0.2553,

0.2888

202.1249, 0.2590,
0.2915

■ 18.9824, 0.2019,
0.2469

■ 18.9824, 0.2019,
0.2469

■ 18.9844, 0.2019,
0.2469

■ 20.2741, 0.2064,
0.2560

■ 21.7185, 0.2124,
0.2651

■ 23.3605, 0.2203,
0.2743

■ 25.2200, 0.2300,
0.2833

■ 27.3141, 0.2414,
0.2921

■ 29.6578, 0.2542,
0.3006

■ 32.2647, 0.2680,
0.3085

■ 35.1474, 0.2826,
0.3160

■ 38.3174, 0.2976,
0.3228

Harmonies

Analogous

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



18.9824, 0.2027, 0.2891



18.9824, 0.2019, 0.2469



18.9824, 0.2262, 0.2299

Triad

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



18.9824, 0.2019, 0.2469



18.9824, 0.3997, 0.3008



18.9824, 0.3418, 0.4460

Complementary

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



18.9824, 0.2019, 0.2469



10.6104, 0.6072, 0.3560

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.



18.9824, 0.3991, 0.4351



18.9824, 0.2019, 0.2469



18.9824, 0.4367, 0.3486

Square

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



18.9824, 0.2019, 0.2469



18.9824, 0.3375, 0.2609



18.9824, 0.4353, 0.3969



18.9824, 0.2797, 0.4148

Rectangle

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



18.9824, 0.2019, 0.2469



18.9824, 0.2556, 0.2314



18.9824, 0.4353, 0.3969



18.9824, 0.3623, 0.4466

Sweetspot

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



18.9844, 0.2019, 0.2469



57.5317, 0.2673, 0.3081



30.0408, 0.2926, 0.5733



12.0795, 0.2616, 0.3049



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.



18.9844, 0.2019, 0.2469



33.6459, 0.2015, 0.2454



4.9812, 0.1592, 0.0930



8.7299, 0.2986, 0.3232



14.0415, 0.2022, 0.2479



0.4703, 0.2098, 0.2752

Inverse Universe

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



10.4956, 0.3953, 0.1951



18.7624, 0.3969, 0.1960



24.0269, 0.4755, 0.4606



8.1135, 0.3174, 0.3121



7.7205, 0.3943, 0.1946



0.2228, 0.3679, 0.1800

Previews

White Background



This preview shows how the Yxy color 18.9824, 0.2019, 0.2469 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 18.9824, 0.2019, 0.2469 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

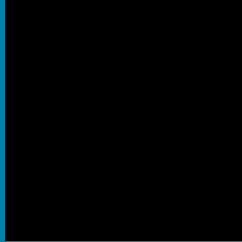
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.9824, 0.2019, 0.2469

Background



This preview shows how black text looks on a background with the Yxy color 18.9824, 0.2019, 0.2469.

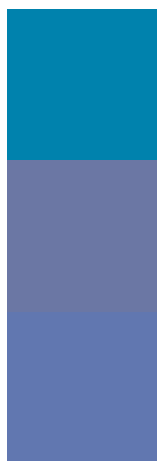


This preview shows how white text looks on a background with the Yxy color 18.9824, 0.2019, 0.2469.

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

18.9824, 0.2019, 0.2469

Protanopia

18.9998, 0.2543, 0.2496

Deuteranopia

18.8696, 0.2363, 0.2303



Tritanopia

19.0638, 0.2188, 0.3076

Trichromacy



Original Color

18.9824, 0.2019, 0.2469

Protanomaly

18.1849, 0.2227, 0.2463

Deuteranomaly

18.2852, 0.2147, 0.2335

Tritanomaly

19.1416, 0.2122, 0.2840

Monochromacy



Original Color

18.9824, 0.2019, 0.2469

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

13.1725, 0.2421, 0.2919

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9824, 0.2019, 0.2469 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, 130, 173)` looks like.

```
.text, #text, p{  
    color:rgb(0, 130, 173)  
}
```

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, 130, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 130, 173) }
```

Border

The CSS property to change the border of an element to Yxy 18.9824, 0.2019, 0.2469 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, 130, 173) }
```

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

```
.border{ border-color:rgb(0, 130, 173) }
```

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

Here you see how a box with a 4 pixel rgb(0, 130, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 130, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 130, 173);  
box-shadow:4px 4px 4px 4px rgb(0, 130,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9824, 0.2019, 0.2469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 130, 173) }
```

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

```
.background{ background-color: rgb(0, 130,  
173) }
```

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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