

Converting Colors

$Y_{xy}(19.4290, 0.2200, 0.2870)$

Have a look what the booklet for
Yxy(19.4290, 0.2200, 0.2870)
contains.

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Color

$Y_{xy}(19.4832, 0.2199, 0.2866)$

Conversions

Conversions Part 1

Format	Color
Hex	24859A
RGB	36, 133, 154
RGB Percent	14%, 52%, 60%
CMY	0.8587, 0.4784, 0.3960
CMYK	0.77, 0.14, 0.00, 0.40
HSL	191°, 62%, 37%
HSV	191°, 77%, 60%
XYZ	14.9489, 19.4832, 33.5484
YIQ	106.3910, -64.5530, -14.0330

Conversions

Conversions Part 2

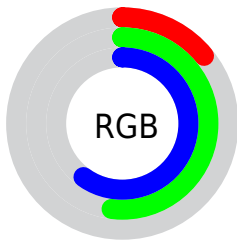
Format	Color
R_{YB}	36, 89, 154
Decimal	2393498
CIE _{Lab}	51.25, -19.97, -19.14
CIE _{LCh}	51, 27.658, 223.786
Yxy	19.4832, 0.2199, 0.2866
Android (android.graphics.Color)	4280583578 (0xFF24859A)
YUV	106.3910, 23.4712, -61.7329
Hunter-Lab	44.1398, -16.7917, -14.1654

Details

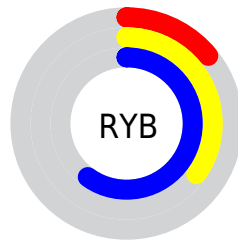
The Yxy color **19.4832, 0.2199, 0.2866** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.9286, 0.5430, 0.3567**, and the grayscale version is **14.4761, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.3812, 0.2398, 0.2971**, and **7.1658, 0.2081, 0.2691** is the 20% darker color. If you saturate the color by 10%, you get **18.5225, 0.2142, 0.2803**, and if you desaturate by 10%, it is **20.5842, 0.2275, 0.2929**.

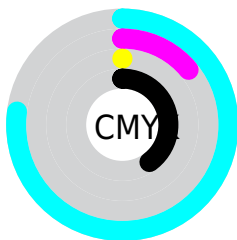
Distribution



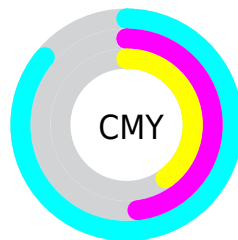
- Red (14%)
- Green (52%)
- Blue (60%)



- Red (14%)
- Yellow (35%)
- Blue (60%)



- Cyan (77%)
- Magenta (14%)
- Yellow (0%)
- Black (40%)





- Cyan (86%)
- Magenta (48%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 19.4832, 0.2199, 0.2866 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 19.4832, 0.2199, 0.2866 by changing the saturation by 10% instead.


 19.4832, 0.2199,
0.2866


 19.4832, 0.2199,
0.2866


 249.1035, 0.2711,
0.3120


 12.0199, 0.2055,
0.2785


 42.5490, 0.2397,
0.2970


 6.7573, 0.1861,
0.2668


 58.9204, 0.2468,
0.3006


 3.3108, 0.1588,
0.2488

 79.0299, 0.2526,
0.3034


 1.2960, 0.1175,
0.2187

 103.2619, 0.2575,
0.3058

 0.1381, 0.0000,
0.0800

 132.0009, 0.2617,
0.3077

 0.0000, 0.0000,
0.0000

 165.6312, 0.2653,

0.3094

204.5373, 0.2684,
0.3108

■ 19.4832, 0.2199,
0.2866

■ 19.4832, 0.2199,
0.2866

■ 18.5225, 0.2142,
0.2803

■ 20.5842, 0.2275,
0.2929

■ 17.6791, 0.2101,
0.2741

■ 21.8371, 0.2369,
0.2991

■ 17.4048, 0.2089,
0.2719

■ 23.2545, 0.2479,
0.3051

■ 24.8471, 0.2602,
0.3109

■ 26.6245, 0.2737,
0.3163

■ 28.5955, 0.2880,
0.3214

■ 30.7686, 0.3028,
0.3261

■ 33.1513, 0.3178,
0.3304

■ 35.7511, 0.3329,
0.3343

Harmonies

Analogous

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



19.4832, 0.2370, 0.3339



19.4832, 0.2199, 0.2866



19.4832, 0.2249, 0.2565

Triad

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



19.4832, 0.2199, 0.2866



19.4832, 0.3475, 0.2811



19.4832, 0.3726, 0.4200

Complementary

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



19.4832, 0.2199, 0.2866



9.9286, 0.5430, 0.3567

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.



19.4832, 0.4069, 0.3957



19.4832, 0.2199, 0.2866



19.4832, 0.3932, 0.3171

Square

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



19.4832, 0.2199, 0.2866



19.4832, 0.2948, 0.2561



19.4832, 0.4154, 0.3578



19.4832, 0.3237, 0.4181

Rectangle

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



19.4832, 0.2199, 0.2866



19.4832, 0.2401, 0.2479



19.4832, 0.4154, 0.3578



19.4832, 0.3863, 0.4142

Sweetspot

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



19.4839, 0.2199, 0.2866



49.4463, 0.2781, 0.3180



23.7724, 0.2928, 0.5358



10.9265, 0.2734, 0.3162



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



19.4839, 0.2199, 0.2866



32.5196, 0.2111, 0.2758



7.7895, 0.1877, 0.1606



6.8394, 0.2989, 0.3249



14.2249, 0.2090, 0.2724



0.2560, 0.2167, 0.3002

Inverse Universe

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



9.8279, 0.3557, 0.1921



15.6978, 0.3670, 0.1829



19.1877, 0.4563, 0.4435



6.3048, 0.3163, 0.3109



6.8413, 0.3705, 0.1815



0.1067, 0.3453, 0.1676

Previews

White Background



This preview shows how the Yxy color 19.4832, 0.2199, 0.2866 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 19.4832, 0.2199, 0.2866 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

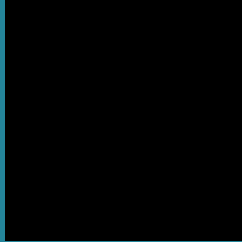
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.4832, 0.2199, 0.2866

Background



This preview shows how black text looks on a background with the Yxy color 19.4832, 0.2199, 0.2866.

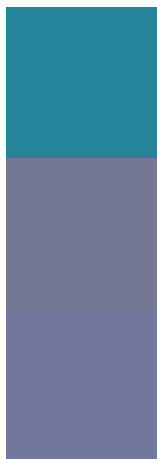


This preview shows how white text looks on a background with the Yxy color 19.4832, 0.2199, 0.2866.

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

19.4832, 0.2199, 0.2866

Protanopia

19.1903, 0.2811, 0.2834

Deuteranopia

19.2054, 0.2673, 0.2617



Tritanopia

19.3414, 0.2232, 0.3059

Trichromacy



Original Color

19.4832, 0.2199, 0.2866

Protanomaly

18.8316, 0.2508, 0.2844

Deuteranomaly

18.7940, 0.2434, 0.2684

Tritanomaly

19.4796, 0.2223, 0.3000

Monochromacy



Original Color

19.4832, 0.2199, 0.2866

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

15.6702, 0.2645, 0.3137

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4832, 0.2199, 0.2866 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(36, 133, 154)` looks like.

```
.text, #text, p{  
    color:rgb(36, 133, 154)  
}
```

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(36, 133, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 133, 154) }
```

Border

The CSS property to change the border of an element to Yxy 19.4832, 0.2199, 0.2866 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(36, 133, 154) }
```

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

```
.border{ border-color:rgb(36, 133, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 133, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 133, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 133, 154);  
box-shadow:4px 4px 4px 4px rgb(36, 133,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 19.4832, 0.2199, 0.2866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 133, 154) }
```

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

```
.background{ background-color: rgb(36, 133,  
154) }
```

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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