

Converting Colors

$Yxy(19.3886, 0.2191, 0.2884)$

Have a look what the booklet for
Yxy(19.3886, 0.2191, 0.2884)
contains.

Yxy(19.3820, 0.2192, 0.2884)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(19.3820, 0.2192, 0.2884)$

Conversions

Conversions Part 1

Format	Color
Hex	208599
RGB	32, 133, 153
RGB Percent	13%, 52%, 60%
CMY	0.8745, 0.4784, 0.4001
CMYK	0.79, 0.13, 0.00, 0.40
HSL	190°, 65%, 36%
HSV	190°, 79%, 60%
XYZ	14.7314, 19.3820, 33.0919
YIQ	105.0810, -66.6160, -15.1920

Conversions

Conversions Part 2

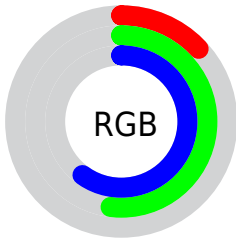
Format	Color
R_{YB}	32, 87, 153
Decimal	2131353
CIE _{Lab}	51.13, -20.78, -18.72
CIE _{LCh}	51, 27.971, 222.021
Yxy	19.3820, 0.2192, 0.2884
Android (android.graphics.Color)	4280321433 (0xFF208599)
YUV	105.0810, 23.6241, -64.0920
Hunter-Lab	44.0250, -17.3151, -13.7485

Details

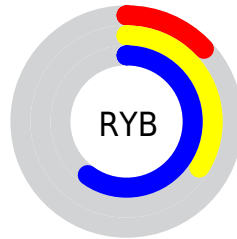
The Yxy color **19.3820, 0.2192, 0.2884** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.3288, 0.5549, 0.3541**, and the grayscale version is **14.0986, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.2195, 0.2393, 0.2984**, and **7.1458, 0.2088, 0.2717** is the 20% darker color. If you saturate the color by 10%, you get **18.5086, 0.2141, 0.2826**, and if you desaturate by 10%, it is **20.3871, 0.2262, 0.2942**.

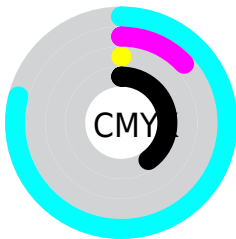
Distribution



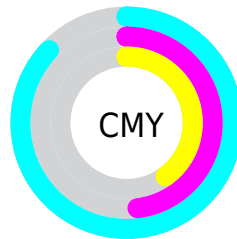
- Red (13%)
- Green (52%)
- Blue (60%)



- Red (13%)
- Yellow (34%)
- Blue (60%)



- Cyan (79%)
- Magenta (13%)
- Yellow (0%)
- Black (40%)





- Cyan (87%)
- Magenta (48%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.3820, 0.2192, 0.2884 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 19.3820, 0.2192, 0.2884 by changing the saturation by 10% instead.


 19.3820, 0.2192,
0.2884


 19.3820, 0.2192,
0.2884


 248.5496, 0.2708,
0.3129

 11.9466, 0.2047,
0.2805


 42.3786, 0.2392,
0.2985

 6.7073, 0.1851,
0.2691


 58.7086, 0.2463,
0.3019

 3.2798, 0.1575,
0.2514

 78.7723, 0.2522,
0.3046

 1.2795, 0.1151,
0.2218

 102.9540, 0.2571,
0.3069

 0.1252, 0.0000,
0.0757

 131.6383, 0.2613,
0.3088

 0.0000, 0.0000,
0.0000

 165.2093, 0.2649,

0.3103

204.0516, 0.2681,
0.3117

■ 19.3820, 0.2192,
0.2884

■ 19.3820, 0.2192,
0.2884

■ 18.5086, 0.2141,
0.2826

■ 20.3871, 0.2262,
0.2942

■ 17.7344, 0.2104,
0.2769

■ 21.5360, 0.2349,
0.2999

■ 17.6645, 0.2101,
0.2763

■ 22.8415, 0.2454,
0.3055

■ 24.3141, 0.2573,
0.3109

■ 25.9636, 0.2704,
0.3161

■ 27.7989, 0.2845,
0.3209

■ 29.8282, 0.2991,
0.3253

■ 32.0593, 0.3141,
0.3294

■ 34.4993, 0.3292,
0.3330

Harmonies

Analogous

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



19.3820, 0.2378, 0.3370



19.3820, 0.2192, 0.2884



19.3820, 0.2229, 0.2568

Triad

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



19.3820, 0.2192, 0.2884



19.3820, 0.3448, 0.2787



19.3820, 0.3759, 0.4203

Complementary

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



19.3820, 0.2192, 0.2884



9.3288, 0.5549, 0.3541

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.



19.3820, 0.4094, 0.3944



19.3820, 0.2192, 0.2884



19.3820, 0.3921, 0.3146

Square

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



19.3820, 0.2192, 0.2884



19.3820, 0.2916, 0.2542



19.3820, 0.4162, 0.3557



19.3820, 0.3269, 0.4203

Rectangle

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



19.3820, 0.2192, 0.2884



19.3820, 0.2375, 0.2473



19.3820, 0.4162, 0.3557



19.3820, 0.3894, 0.4139

Sweetspot

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



19.3827, 0.2192, 0.2884



47.9835, 0.2768, 0.3183



23.3142, 0.2939, 0.5454



10.3627, 0.2723, 0.3167



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



19.3827, 0.2192, 0.2884



32.0782, 0.2113, 0.2782



7.5504, 0.1856, 0.1590



6.8529, 0.2989, 0.3252



14.6451, 0.2102, 0.2768



0.2597, 0.2173, 0.3023

Inverse Universe

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



9.4972, 0.3544, 0.1882



15.1604, 0.3650, 0.1804



18.1646, 0.4635, 0.4423



6.3061, 0.3161, 0.3106



6.8837, 0.3665, 0.1793



0.1070, 0.3434, 0.1665

Previews

White Background



This preview shows how the Yxy color 19.3820, 0.2192, 0.2884 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 19.3820, 0.2192, 0.2884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

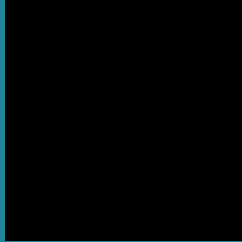
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.3820, 0.2192, 0.2884

Background



This preview shows how black text looks on a background with the Yxy color 19.3820, 0.2192, 0.2884.

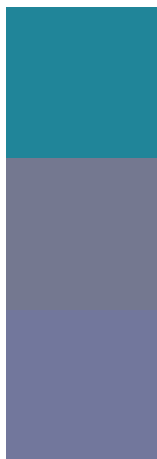


This preview shows how white text looks on a background with the Yxy color 19.3820, 0.2192, 0.2884.

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

19.3820, 0.2192, 0.2884

Protanopia

19.1596, 0.2820, 0.2851

Deuteranopia

19.1714, 0.2682, 0.2632



Tritanopia

19.2887, 0.2222, 0.3058

Trichromacy



Original Color

19.3820, 0.2192, 0.2884

Protanomaly

18.7051, 0.2499, 0.2860

Deuteranomaly

18.6667, 0.2426, 0.2698

Tritanomaly

19.4213, 0.2212, 0.2999

Monochromacy



Original Color

19.3820, 0.2192, 0.2884

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

15.2863, 0.2622, 0.3135

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.3820, 0.2192, 0.2884 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(32, 133, 153)` looks like.

```
.text, #text, p{  
    color:rgb(32, 133, 153)  
}
```

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(32, 133, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 133, 153) }
```

Border

The CSS property to change the border of an element to Yxy 19.3820, 0.2192, 0.2884 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(32, 133, 153) }
```

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

```
.border{ border-color:rgb(32, 133, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 133, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 133, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 133, 153);  
box-shadow:4px 4px 4px 4px rgb(32, 133,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 19.3820, 0.2192, 0.2884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 133, 153) }
```

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

```
.background{ background-color: rgb(32, 133,  
153) }
```

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