

Converting Colors

$Yxy(19.5850, 0.2040, 0.2924)$

Have a look what the booklet for
Yxy(19.5850, 0.2040, 0.2924)
contains.

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Color

Yxy(20.2244, 0.2151, 0.2944)

Conversions

Conversions Part 1

Format	Color
Hex	00899A
RGB	0, 137, 154
RGB Percent	0%, 54%, 60%
CMY	1.0000, 0.4627, 0.3961
CMYK	1.00, 0.11, 0.00, 0.40
HSL	187°, 100%, 30%
HSV	187°, 100%, 60%
XYZ	14.7767, 20.2244, 33.6959
YIQ	97.9750, -87.1090, -23.7570

Conversions

Conversions Part 2

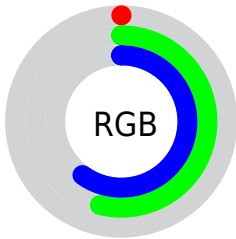
Format	Color
RYB	0, 73, 154
Decimal	35226
CIELab	52.09, -24.64, -17.88
CIELCh	52, 30.444, 215.976
Yxy	20.2244, 0.2151, 0.2944
Android (android.graphics.Color)	4278225306 (0xFF00899A)
YUV	97.9750, 27.6203, -85.9241
Hunter-Lab	44.9715, -20.0488, -12.9442

Details

The Yxy color **20.2244, 0.2151, 0.2944** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **7.2706, 0.6295, 0.3384**, and the grayscale version is **12.1546, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.8904, 0.2359, 0.3042**, and **7.7957, 0.2116, 0.2816** is the 20% darker color. If you saturate the color by 10%, you get **20.2260, 0.2151, 0.2944**, and if you desaturate by 10%, it is **20.8180, 0.2180, 0.2981**.

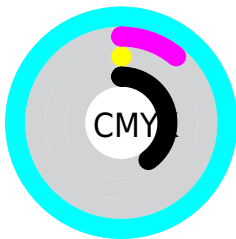
Distribution



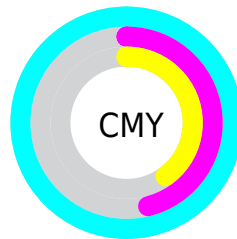
- Red (0%)
- Green (54%)
- Blue (60%)



- Red (0%)
- Yellow (29%)
- Blue (60%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (40%)





- Cyan (100%)
- Magenta (46%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2244, 0.2151, 0.2944 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 20.2244, 0.2151, 0.2944 by changing the saturation by 10% instead.


 20.2244, 0.2151,
0.2944


 20.2244, 0.2151,
0.2944


253.1273, 0.2686,
0.3156


 12.5583, 0.2002,
0.2874


 43.7931, 0.2357,
0.3032


 7.1251, 0.1803,
0.2773


 60.4644, 0.2431,
0.3062


 3.5404, 0.1525,
0.2614

 80.9063, 0.2492,
0.3086

 1.4200, 0.1107,
0.2343

 105.5031, 0.2543,
0.3105

 0.2314, 0.0000,
0.1258

 134.6392, 0.2587,
0.3121

 0.0000, 0.0000,
0.0000

 168.6990, 0.2624,

0.3134

208.0669, 0.2657,
0.3146

■ 20.2244, 0.2151,
0.2944

■ 20.2244, 0.2151,
0.2944

■ 20.2260, 0.2151,
0.2944

■ 20.8180, 0.2180,
0.2981

■ 21.4958, 0.2223,
0.3019

■ 22.2954, 0.2283,
0.3056

■ 23.2312, 0.2362,
0.3094

■ 24.3155, 0.2459,
0.3131

■ 25.5592, 0.2571,
0.3166

■ 26.9722, 0.2696,
0.3200

■ 28.5635, 0.2833,
0.3233

■ 30.3414, 0.2977,
0.3263

Harmonies

Analogous

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



20.2244, 0.2393, 0.3490



20.2244, 0.2151, 0.2944



20.2244, 0.2144, 0.2567

Triad

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



20.2244, 0.2151, 0.2944



20.2244, 0.3354, 0.2689



20.2244, 0.3890, 0.4228

Complementary

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



20.2244, 0.2151, 0.2944



7.2706, 0.6295, 0.3384

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.



20.2244, 0.4203, 0.3906



20.2244, 0.2151, 0.2944



20.2244, 0.3891, 0.3050

Square

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



20.2244, 0.2151, 0.2944



20.2244, 0.2793, 0.2461



20.2244, 0.4212, 0.3480



20.2244, 0.3386, 0.4303

Rectangle

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



20.2244, 0.2151, 0.2944



20.2244, 0.2267, 0.2438



20.2244, 0.4212, 0.3480



20.2244, 0.4022, 0.4141

Sweetspot

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



20.2260, 0.2151, 0.2944



48.8345, 0.2689, 0.3198



23.1465, 0.2977, 0.5918



10.8184, 0.2638, 0.3185



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.



20.2260, 0.2151, 0.2944



36.5671, 0.2149, 0.2937



5.7349, 0.1691, 0.1287



6.9101, 0.2989, 0.3265



16.5109, 0.2152, 0.2947



0.2757, 0.2198, 0.3113

Inverse Universe

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



8.6762, 0.3504, 0.1704



15.7436, 0.3510, 0.1707



14.5936, 0.5101, 0.4331



6.3119, 0.3153, 0.3094



7.0721, 0.3501, 0.1702



0.1086, 0.3356, 0.1622

Previews

White Background



This preview shows how the Yxy color 20.2244, 0.2151, 0.2944 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 20.2244, 0.2151, 0.2944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

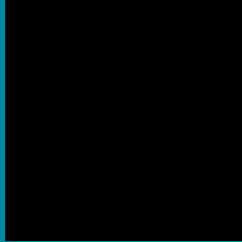
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2244, 0.2151, 0.2944

Background



This preview shows how black text looks on a background with the Yxy color 20.2244, 0.2151, 0.2944.



This preview shows how white text looks on a background with the Yxy color 20.2244, 0.2151, 0.2944.

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

20.2244, 0.2151, 0.2944

Protanopia

20.1726, 0.2868, 0.2912

Deuteranopia

19.9949, 0.2709, 0.2645



Tritanopia

20.3469, 0.2184, 0.3062

Trichromacy



Original Color

20.2244, 0.2151, 0.2944

Protanomaly

19.1130, 0.2430, 0.2895

Deuteranomaly

19.1089, 0.2355, 0.2714

Tritanomaly

20.4113, 0.2173, 0.3023

Monochromacy



Original Color

20.2244, 0.2151, 0.2944

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

13.9205, 0.2499, 0.3148

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2244, 0.2151, 0.2944 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, 137, 154)` looks like.

```
.text, #text, p{  
  color:rgb(0, 137, 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(0, 137, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 137, 154) }
```

Border

The CSS property to change the border of an element to Yxy 20.2244, 0.2151, 0.2944 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, 137, 154) }
```

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

```
.border{ border-color:rgb(0, 137, 154) }
```

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

Here you see how a box with a 4 pixel rgb(0, 137, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 137, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 137, 154);  
box-shadow:4px 4px 4px 4px rgb(0, 137,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2244, 0.2151, 0.2944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 137, 154) }
```

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

```
.background{ background-color: rgb(0, 137,  
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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