

Converting Colors

$Yxy(20.3816, 0.2145, 0.2922)$

Have a look what the booklet for
Yxy(20.3816, 0.2145, 0.2922)
contains.

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Color

Yxy(20.2916, 0.2141, 0.2906)

Conversions

Conversions Part 1

Format	Color
Hex	00899C
RGB	0, 137, 156
RGB Percent	0%, 54%, 61%
CMY	0.9987, 0.4628, 0.3882
CMYK	1.00, 0.12, 0.00, 0.39
HSL	187°, 100%, 31%
HSV	187°, 100%, 61%
XYZ	14.9499, 20.2916, 34.5851
YIQ	98.2030, -87.7510, -23.1350

Conversions

Conversions Part 2

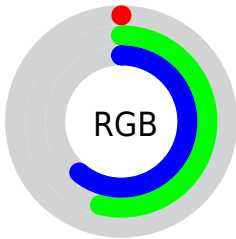
Format	Color
RYB	0, 73, 156
Decimal	35228
CIELab	52.17, -23.92, -18.93
CIElCh	52, 30.504, 218.368
Yxy	20.2916, 0.2141, 0.2906
Android (android.graphics.Color)	4278225308 (0xFF00899C)
YUV	98.2030, 28.4939, -86.1240
Hunter-Lab	45.0462, -19.5905, -13.9887

Details

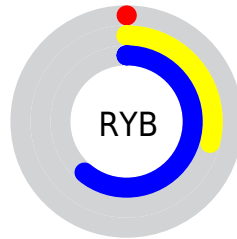
The Yxy color **20.2916, 0.2141, 0.2906** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **7.5473, 0.6276, 0.3395**, and the grayscale version is **12.2369, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.0395, 0.2345, 0.3001**, and **7.8363, 0.2101, 0.2763** is the 20% darker color. If you saturate the color by 10%, you get **20.2785, 0.2140, 0.2905**, and if you desaturate by 10%, it is **20.9463, 0.2172, 0.2947**.

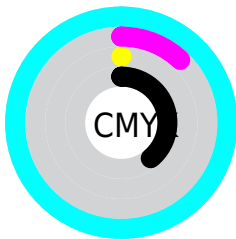
Distribution



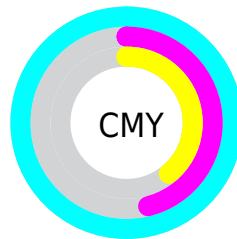
- Red (0%)
- Green (54%)
- Blue (61%)



- Red (0%)
- Yellow (29%)
- Blue (61%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (39%)





- Cyan (100%)
- Magenta (46%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.2916, 0.2141, 0.2906 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 20.2916, 0.2141, 0.2906 by changing the saturation by 10% instead.


 20.2916, 0.2141,
0.2906


 20.2916, 0.2141,
0.2906


 253.4894, 0.2680,
0.3139


 12.6072, 0.1992,
0.2831


 43.9055, 0.2348,
0.3003


 7.1586, 0.1792,
0.2721


 60.6038, 0.2423,
0.3035


 3.5615, 0.1514,
0.2552


 81.0756, 0.2484,
0.3061

 1.4314, 0.1103,
0.2268

 105.7051, 0.2536,
0.3082

 0.2397, 0.0000,
0.1219

 134.8769, 0.2580,
0.3100

 0.0000, 0.0000,
0.0000

 168.9752, 0.2618,

0.3115

208.3846, 0.2651,
0.3128

■ 20.2916, 0.2141,
0.2906

■ 20.2916, 0.2141,
0.2906

■ 20.2785, 0.2140,
0.2905

■ 20.9463, 0.2172,
0.2947

■ 21.6927, 0.2216,
0.2989

■ 22.5664, 0.2278,
0.3031

■ 23.5826, 0.2359,
0.3073

■ 24.7538, 0.2457,
0.3114

■ 26.0914, 0.2571,
0.3154

■ 27.6056, 0.2698,
0.3192

■ 29.3055, 0.2835,
0.3227

■ 31.1999, 0.2980,
0.3260

Harmonies

Analogous

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



20.2916, 0.2365, 0.3444



20.2916, 0.2141, 0.2906



20.2916, 0.2153, 0.2546

Triad

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



20.2916, 0.2141, 0.2906



20.2916, 0.3400, 0.2713



20.2916, 0.3856, 0.4246

Complementary

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



20.2916, 0.2141, 0.2906



7.5473, 0.6276, 0.3395

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.



20.2916, 0.4189, 0.3938



20.2916, 0.2141, 0.2906



20.2916, 0.3928, 0.3082

Square

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



20.2916, 0.2141, 0.2906



20.2916, 0.2834, 0.2473



20.2916, 0.4225, 0.3515



20.2916, 0.3343, 0.4295

Rectangle

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



20.2916, 0.2141, 0.2906



20.2916, 0.2288, 0.2429



20.2916, 0.4225, 0.3515



20.2916, 0.3994, 0.4165

Sweetspot

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



20.2923, 0.2141, 0.2906



49.8983, 0.2687, 0.3189



23.8276, 0.2973, 0.5899



10.7375, 0.2637, 0.3174



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.



20.2923, 0.2141, 0.2906



36.6324, 0.2138, 0.2897



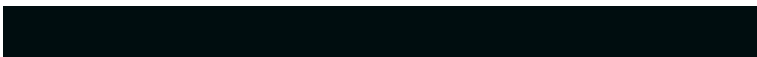
5.6356, 0.1679, 0.1241



7.3711, 0.2988, 0.3262



16.7348, 0.2141, 0.2908



0.3343, 0.2187, 0.3075

Inverse Universe

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



8.8821, 0.3538, 0.1724



16.0953, 0.3546, 0.1727



15.4965, 0.5053, 0.4368



6.7406, 0.3155, 0.3096



7.3116, 0.3536, 0.1722



0.1343, 0.3389, 0.1641

Previews

White Background



This preview shows how the Yxy color 20.2916, 0.2141, 0.2906 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 20.2916, 0.2141, 0.2906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

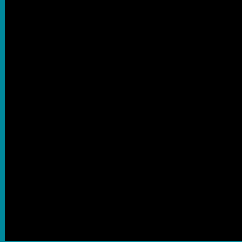
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2916, 0.2141, 0.2906

Background



This preview shows how black text looks on a background with the Yxy color 20.2916, 0.2141, 0.2906.

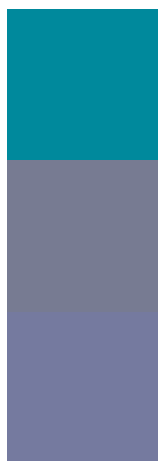


This preview shows how white text looks on a background with the Yxy color 20.2916, 0.2141, 0.2906.

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

20.2916, 0.2141, 0.2906

Protanopia

20.1632, 0.2837, 0.2877

Deuteranopia

20.2042, 0.2691, 0.2645



Tritanopia

20.3469, 0.2184, 0.3062

Trichromacy



Original Color

20.2916, 0.2141, 0.2906

Protanomaly

19.1769, 0.2416, 0.2859

Deuteranomaly

19.1432, 0.2348, 0.2697

Tritanomaly

20.4440, 0.2168, 0.3003

Monochromacy



Original Color

20.2916, 0.2141, 0.2906

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

13.9444, 0.2490, 0.3126

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2916, 0.2141, 0.2906 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, 156)` looks like.

```
.text, #text, p{  
    color:rgb(0, 137, 156)  
}
```

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, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 137, 156) }
```

Border

The CSS property to change the border of an element to Yxy 20.2916, 0.2141, 0.2906 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, 156) }
```

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

```
.border{ border-color:rgb(0, 137, 156) }
```

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, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 137, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 137, 156);  
box-shadow:4px 4px 4px 4px rgb(0, 137,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2916, 0.2141, 0.2906 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, 156) }
```

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

```
.background{ background-color: rgb(0, 137,  
156) }
```

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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