

Converting Colors

$Y_{xy}(14.3720, 0.0519, 0.2839)$

Have a look what the booklet for
Yxy(14.3720, 0.0519, 0.2839)
contains.

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Color

Yxy(20.8318, 0.2158, 0.2967)

Conversions

Conversions Part 1

Format	Color
Hex	008B9B
RGB	0, 139, 155
RGB Percent	0%, 55%, 61%
CMY	0.9985, 0.4549, 0.3922
CMYK	1.00, 0.10, 0.00, 0.39
HSL	186°, 100%, 30%
HSV	186°, 100%, 61%
XYZ	15.1517, 20.8318, 34.2282
YIQ	99.2630, -87.9800, -24.4920

Conversions

Conversions Part 2

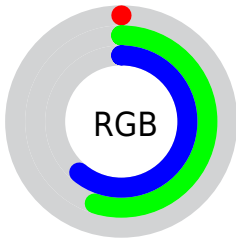
Format	Color
RYB	0, 73, 155
Decimal	35739
CIELab	52.76, -25.29, -17.43
CIELCh	53, 30.715, 214.572
Yxy	20.8318, 0.2158, 0.2967
Android (android.graphics.Color)	4278225819 (0xFF008B9B)
YUV	99.2630, 27.4783, -87.0537
Hunter-Lab	45.6419, -20.6168, -12.5140

Details

The Yxy color **20.8318, 0.2158, 0.2967** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **7.3505, 0.6298, 0.3377**, and the grayscale version is **12.5227, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.8672, 0.2365, 0.3058**, and **7.9789, 0.2117, 0.2821** is the 20% darker color. If you saturate the color by 10%, you get **20.8185, 0.2157, 0.2966**, and if you desaturate by 10%, it is **21.4070, 0.2186, 0.3002**.

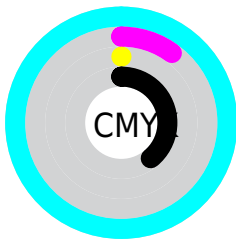
Distribution



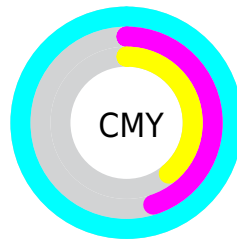
- Red (0%)
- Green (55%)
- Blue (61%)



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



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (39%)



- Cyan (100%)
- Magenta (45%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.8318, 0.2158, 0.2967 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 20.8318, 0.2158, 0.2967 by changing the saturation by 10% instead.

20.8318, 0.2158,
0.2967

20.8318, 0.2158,
0.2967

256.3833, 0.2687,
0.3165

13.0011, 0.2012,
0.2902

44.8074, 0.2361,
0.3050

7.4293, 0.1816,
0.2807

61.7212, 0.2434,
0.3077

3.7320, 0.1544,
0.2657

82.4314, 0.2494,
0.3100

1.5248, 0.1143,
0.2402

107.3224, 0.2545,
0.3118

0.3061, 0.0000,
0.1542

136.7788, 0.2589,
0.3133

0.0000, 0.0000,
0.0000

171.1847, 0.2626,

0.3145

210.9248, 0.2659,
0.3156

■ 20.8318, 0.2158,
0.2967

■ 20.8318, 0.2158,
0.2967

■ 20.8185, 0.2157,
0.2966

■ 21.4070, 0.2186,
0.3002

■ 22.0698, 0.2228,
0.3037

■ 22.8555, 0.2288,
0.3072

■ 23.7789, 0.2367,
0.3107

■ 24.8523, 0.2463,
0.3141

■ 26.0870, 0.2575,
0.3175

■ 27.4927, 0.2700,
0.3207

■ 29.0788, 0.2836,
0.3237

■ 30.8535, 0.2981,
0.3265

Harmonies

Analogous

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



20.8318, 0.2411, 0.3517



20.8318, 0.2158, 0.2967



20.8318, 0.2140, 0.2581

Triad

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



20.8318, 0.2158, 0.2967



20.8318, 0.3326, 0.2676



20.8318, 0.3909, 0.4217

Complementary

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



20.8318, 0.2158, 0.2967



7.3505, 0.6298, 0.3377

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.



20.8318, 0.4210, 0.3887



20.8318, 0.2158, 0.2967



20.8318, 0.3869, 0.3031

Square

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



20.8318, 0.2158, 0.2967



20.8318, 0.2770, 0.2455



20.8318, 0.4203, 0.3459



20.8318, 0.3412, 0.4306

Rectangle

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



20.8318, 0.2158, 0.2967



20.8318, 0.2256, 0.2445



20.8318, 0.4203, 0.3459



20.8318, 0.4038, 0.4126

Sweetspot

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



20.8326, 0.2158, 0.2967



49.0210, 0.2689, 0.3204



23.4790, 0.2977, 0.5916



10.8657, 0.2639, 0.3192



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.



20.8326, 0.2158, 0.2967



37.1267, 0.2156, 0.2960



5.8388, 0.1693, 0.1291



6.9173, 0.2989, 0.3266



16.7560, 0.2158, 0.2969



0.2778, 0.2201, 0.3124

Inverse Universe

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



8.8399, 0.3483, 0.1694



15.8001, 0.3490, 0.1696



14.8233, 0.5098, 0.4332



6.3126, 0.3152, 0.3093



7.0968, 0.3482, 0.1692



0.1089, 0.3347, 0.1617

Previews

White Background



This preview shows how the Yxy color 20.8318, 0.2158, 0.2967 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 20.8318, 0.2158, 0.2967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

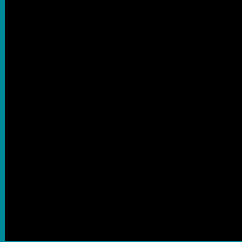
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.8318, 0.2158, 0.2967

Background



This preview shows how black text looks on a background with the Yxy color 20.8318, 0.2158, 0.2967.

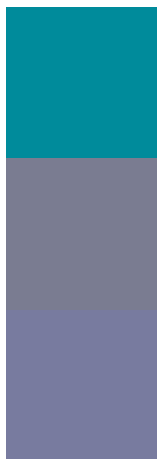


This preview shows how white text looks on a background with the Yxy color 20.8318, 0.2158, 0.2967.

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

20.8318, 0.2158, 0.2967

Protanopia

20.5972, 0.2880, 0.2916

Deuteranopia

20.6622, 0.2723, 0.2669



Tritanopia

20.6996, 0.2179, 0.3044

Trichromacy



Original Color

20.8318, 0.2158, 0.2967

Protanomaly

19.4901, 0.2442, 0.2899

Deuteranomaly

19.7469, 0.2370, 0.2739

Tritanomaly

20.7322, 0.2173, 0.3024

Monochromacy



Original Color

20.8318, 0.2158, 0.2967

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

14.4233, 0.2507, 0.3173

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8318, 0.2158, 0.2967 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, 139, 155)` looks like.

```
.text, #text, p{  
    color:rgb(0, 139, 155)  
}
```

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, 139, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 139, 155) }
```

Border

The CSS property to change the border of an element to Yxy 20.8318, 0.2158, 0.2967 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, 139, 155) }
```

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

```
.border{ border-color:rgb(0, 139, 155) }
```

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

Here you see how a box with a 4 pixel rgb(0, 139, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 139, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 139, 155);  
box-shadow:4px 4px 4px 4px rgb(0, 139,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8318, 0.2158, 0.2967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 139, 155) }
```

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

```
.background{ background-color: rgb(0, 139,  
155) }
```

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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