

Converting Colors

$Yxy(20.0661, 0.2161, 0.3100)$

Have a look what the booklet for
Yxy(20.0661, 0.2161, 0.3100)
contains.

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Color

Yxy(20.2835, 0.2195, 0.3101)

Conversions

Conversions Part 1

Format	Color
Hex	008A93
RGB	0, 138, 147
RGB Percent	0%, 54%, 58%
CMY	0.9993, 0.4588, 0.4235
CMYK	1.00, 0.06, 0.00, 0.42
HSL	184°, 100%, 29%
HSV	184°, 100%, 58%
XYZ	14.3574, 20.2835, 30.7687
YIQ	97.7640, -85.1370, -26.4570

Conversions

Conversions Part 2

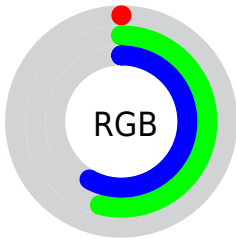
Format	Color
RYB	0, 71, 147
Decimal	35475
CIELab	52.16, -27.49, -13.73
CIELCh	52, 30.730, 206.545
Yxy	20.2835, 0.2195, 0.3101
Android (android.graphics.Color)	4278225555 (0xFF008A93)
YUV	97.7640, 24.2733, -85.7390
Hunter-Lab	45.0372, -21.9112, -8.9799

Details

The Yxy color **20.2835, 0.2195, 0.3101** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **6.4048, 0.6340, 0.3346**, and the grayscale version is **12.1210, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.9426, 0.2393, 0.3156**, and **7.6609, 0.2170, 0.3012** is the 20% darker color. If you saturate the color by 10%, you get **20.2799, 0.2195, 0.3101**, and if you desaturate by 10%, it is **20.6439, 0.2219, 0.3121**.

Distribution



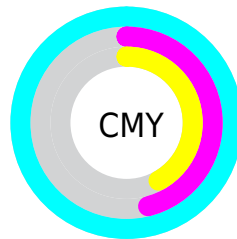
- Red (0%)
- Green (54%)
- Blue (58%)



- Red (0%)
- Yellow (28%)
- Blue (58%)



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (42%)





- Cyan (100%)
- Magenta (46%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2835, 0.2195, 0.3101 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 20.2835, 0.2195, 0.3101 by changing the saturation by 10% instead.


 20.2835, 0.2195,
0.3101


 20.2835, 0.2195,
0.3101


 253.4458, 0.2708,
0.3224


 12.6013, 0.2051,
0.3057

 43.8920, 0.2393,
0.3154


 7.1546, 0.1856,
0.2990


 60.5870, 0.2464,
0.3172


 3.5590, 0.1581,
0.2880

 81.0552, 0.2523,
0.3185

 1.4300, 0.1142,
0.2685

 105.6808, 0.2572,
0.3196

 0.2387, 0.0000,
0.1611

 134.8482, 0.2614,
0.3205

 0.0000, 0.0000,
0.0000

 168.9420, 0.2650,

0.3212

208.3463, 0.2681,
0.3219

■ 20.2835, 0.2195,
0.3101

■ 20.2835, 0.2195,
0.3101

■ 20.2799, 0.2195,
0.3101

■ 20.6439, 0.2219,
0.3121

■ 21.0755, 0.2257,
0.3141

■ 21.6121, 0.2311,
0.3161

■ 22.2664, 0.2384,
0.3182

■ 23.0495, 0.2475,
0.3202

■ 23.9709, 0.2582,
0.3221

■ 25.0394, 0.2704,
0.3240

■ 26.2630, 0.2837,
0.3258

■ 27.6491, 0.2980,
0.3275

Harmonies

Analogous

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



20.2835, 0.2509, 0.3675



20.2835, 0.2195, 0.3101



20.2835, 0.2113, 0.2657

Triad

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



20.2835, 0.2195, 0.3101



20.2835, 0.3171, 0.2596



20.2835, 0.4022, 0.4153

Complementary

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



20.2835, 0.2195, 0.3101



6.4048, 0.6340, 0.3346

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.



20.2835, 0.4252, 0.3781



20.2835, 0.2195, 0.3101



20.2835, 0.3742, 0.2923

Square

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



20.2835, 0.2195, 0.3101



20.2835, 0.2636, 0.2418



20.2835, 0.4153, 0.3341



20.2835, 0.3560, 0.4324

Rectangle

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



20.2835, 0.2195, 0.3101



20.2835, 0.2190, 0.2480



20.2835, 0.4153, 0.3341



20.2835, 0.4131, 0.4044

Sweetspot

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



20.2842, 0.2195, 0.3101



44.6799, 0.2694, 0.3239



20.8903, 0.2989, 0.5957



10.0266, 0.2647, 0.3232



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



20.2842, 0.2195, 0.3101



36.2141, 0.2194, 0.3097



6.0349, 0.1736, 0.1449



6.5019, 0.2990, 0.3276



17.5904, 0.2195, 0.3102



0.2302, 0.2223, 0.3202

Inverse Universe

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



8.0434, 0.3366, 0.1629



14.3838, 0.3370, 0.1630



12.0811, 0.5235, 0.4224



5.9031, 0.3146, 0.3085



6.9691, 0.3365, 0.1628



0.0868, 0.3280, 0.1581

Previews

White Background



This preview shows how the Yxy color 20.2835, 0.2195, 0.3101 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 20.2835, 0.2195, 0.3101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

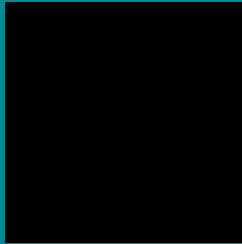
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2835, 0.2195, 0.3101

Background



This preview shows how black text looks on a background with the Yxy color 20.2835, 0.2195, 0.3101.

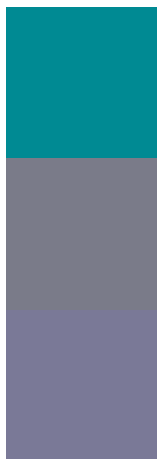


This preview shows how white text looks on a background with the Yxy color 20.2835, 0.2195, 0.3101.

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

20.2835, 0.2195, 0.3101

Protanopia

20.1096, 0.2962, 0.3036

Deuteranopia

20.0467, 0.2818, 0.2763



Tritanopia

20.4250, 0.2199, 0.3063

Trichromacy



Original Color

20.2835, 0.2195, 0.3101



Protanomaly

18.9811, 0.2500, 0.3028



Deuteranomaly

19.0005, 0.2427, 0.2840



Tritanomaly

20.3667, 0.2199, 0.3082

Monochromacy



Original Color

20.2835, 0.2195, 0.3101



Achromatopsia

12.2139, 0.3127, 0.3290



Achromatomaly

14.0953, 0.2521, 0.3218

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2835, 0.2195, 0.3101 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, 138, 147)` looks like.

```
.text, #text, p{  
    color:rgb(0, 138, 147)  
}
```

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, 138, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 138, 147) }
```

Border

The CSS property to change the border of an element to Yxy 20.2835, 0.2195, 0.3101 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, 138, 147) }
```

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

```
.border{ border-color:rgb(0, 138, 147) }
```

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

Here you see how a box with a 4 pixel rgb(0, 138, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 138, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 138, 147);  
box-shadow:4px 4px 4px 4px rgb(0, 138,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2835, 0.2195, 0.3101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 138, 147) }
```

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

```
.background{ background-color: rgb(0, 138,  
147) }
```

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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