

Converting Colors

$Yxy(18.3700, 0.1842, 0.3213)$

Have a look what the booklet for
Yxy(18.3700, 0.1842, 0.3213)
contains.

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Color

$\text{Yxy}(20.1000, 0.2229, 0.3224)$

Conversions

Conversions Part 1

Format	Color
Hex	008A8D
RGB	0, 138, 141
RGB Percent	0%, 54%, 55%
CMY	0.9998, 0.4588, 0.4470
CMYK	1.00, 0.02, 0.00, 0.45
HSL	181°, 100%, 28%
HSV	181°, 100%, 55%
XYZ	13.8967, 20.1000, 28.3482
YIQ	97.0800, -83.2110, -28.3230

Conversions

Conversions Part 2

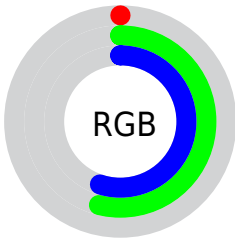
Format	Color
RYB	0, 70, 141
Decimal	35469
CIELab	51.95, -29.48, -10.55
CIELCh	52, 31.313, 199.695
Yxy	20.1000, 0.2229, 0.3224
Android (android.graphics.Color)	4278225549 (0xFF008A8D)
YUV	97.0800, 21.6526, -85.1392
Hunter-Lab	44.8330, -23.1290, -6.1064

Details

The Yxy color **20.1000, 0.2229, 0.3224** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **5.7295, 0.6379, 0.3317**, and the grayscale version is **11.9397, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.6178, 0.2419, 0.3243**, and **7.5717, 0.2212, 0.3162** is the 20% darker color. If you saturate the color by 10%, you get **20.1001, 0.2229, 0.3224**, and if you desaturate by 10%, it is **20.2813, 0.2250, 0.3231**.

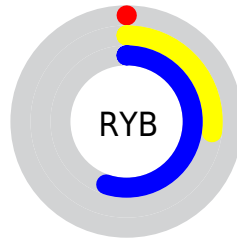
Distribution



Red (0%)

Green (54%)

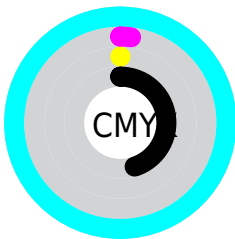
Blue (55%)



Red (0%)

Yellow (27%)

Blue (55%)

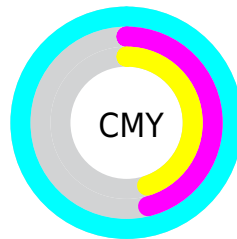


Cyan (100%)

Magenta (2%)

Yellow (0%)

Black (45%)



Cyan (100%)


Magenta (46%)


Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.1000, 0.2229, 0.3224 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 20.1000, 0.2229, 0.3224 by changing the saturation by 10% instead.


 20.1000, 0.2229,
0.3224


 20.1000, 0.2229,
0.3224


 252.4560, 0.2726,
0.3276


 12.4678, 0.2088,
0.3201


 43.5848, 0.2422,
0.3249


 7.0631, 0.1895,
0.3164


 60.2061, 0.2491,
0.3256


 3.5016, 0.1622,
0.3097

 80.5926, 0.2548,
0.3262

 1.3989, 0.1145,
0.2979

 105.1286, 0.2595,
0.3266

 0.2159, 0.0000,
0.1816

 134.1985, 0.2635,
0.3269

 0.0000, 0.0000,
0.0000

 168.1868, 0.2670,

0.3272

207.4778, 0.2700,
0.3274

■ 20.1000, 0.2229,
0.3224

■ 20.1000, 0.2229,
0.3224

■ 20.1001, 0.2229,
0.3224

■ 20.2813, 0.2250,
0.3231

■ 20.5238, 0.2282,
0.3238

■ 20.8599, 0.2332,
0.3245

■ 21.3011, 0.2401,
0.3252

■ 21.8573, 0.2487,
0.3258

■ 22.5372, 0.2589,
0.3265

■ 23.3486, 0.2707,
0.3272

■ 24.2989, 0.2838,
0.3278

■ 25.3947, 0.2979,
0.3284

Harmonies

Analogous

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



20.1000, 0.2598, 0.3815



20.1000, 0.2229, 0.3224



20.1000, 0.2091, 0.2728

Triad

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



20.1000, 0.2229, 0.3224



20.1000, 0.3037, 0.2526



20.1000, 0.4120, 0.4095

Complementary

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



20.1000, 0.2229, 0.3224



5.7295, 0.6379, 0.3317

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.



20.1000, 0.4285, 0.3688



20.1000, 0.2229, 0.3224



20.1000, 0.3629, 0.2828

Square

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



20.1000, 0.2229, 0.3224



20.1000, 0.2521, 0.2386



20.1000, 0.4105, 0.3239



20.1000, 0.3689, 0.4333

Rectangle

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



20.1000, 0.2229, 0.3224



20.1000, 0.2133, 0.2513



20.1000, 0.4105, 0.3239



20.1000, 0.4210, 0.3971

Sweetspot

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



20.1007, 0.2229, 0.3224



41.7042, 0.2699, 0.3272



19.0569, 0.2996, 0.5985



9.1900, 0.2654, 0.3269



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



20.1007, 0.2229, 0.3224



35.9601, 0.2229, 0.3223



6.0792, 0.1767, 0.1560



6.0969, 0.2991, 0.3285



18.3292, 0.2229, 0.3224



0.1793, 0.2238, 0.3258

Inverse Universe

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



7.4992, 0.3262, 0.1571



13.4235, 0.3263, 0.1571



10.4120, 0.5327, 0.4152



5.5091, 0.3140, 0.3078



6.8367, 0.3262, 0.1570



0.0658, 0.3233, 0.1555

Previews

White Background



This preview shows how the Yxy color 20.1000, 0.2229, 0.3224 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 20.1000, 0.2229, 0.3224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

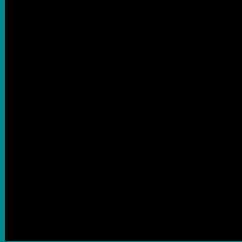
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1000, 0.2229, 0.3224

Background



This preview shows how black text looks on a background with the Yxy color 20.1000, 0.2229, 0.3224.



This preview shows how white text looks on a background with the Yxy color 20.1000, 0.2229, 0.3224.

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

20.1000, 0.2229, 0.3224

Protanopia

20.0156, 0.3038, 0.3143

Deuteranopia

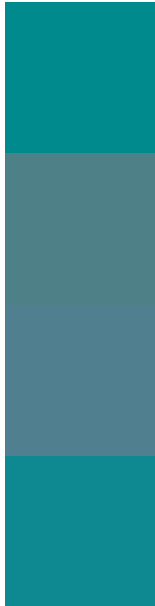
19.8372, 0.2912, 0.2847



Tritanopia

20.2000, 0.2217, 0.3062

Trichromacy



Original Color

20.1000, 0.2229, 0.3224

Protanomaly

18.8073, 0.2548, 0.3146

Deuteranomaly

18.8978, 0.2488, 0.2952

Tritanomaly

20.0290, 0.2219, 0.3121

Monochromacy



Original Color

20.1000, 0.2229, 0.3224

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

13.8047, 0.2545, 0.3265

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1000, 0.2229, 0.3224 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, 141)` looks like.

```
.text, #text, p{  
    color:rgb(0, 138, 141)  
}
```

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, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 138, 141) }
```

Border

The CSS property to change the border of an element to Yxy 20.1000, 0.2229, 0.3224 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, 141) }
```

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

```
.border{ border-color:rgb(0, 138, 141) }
```

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, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 138, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 138, 141);  
box-shadow:4px 4px 4px 4px rgb(0, 138,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1000, 0.2229, 0.3224 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, 141) }
```

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

```
.background{ background-color: rgb(0, 138,  
141) }
```

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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