

Converting Colors

$Yxy(20.2800, 0.2246, 0.3608)$

Have a look what the booklet for
Yxy(20.2800, 0.2246, 0.3608)
contains.

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Color

Yxy(20.5821, 0.2331, 0.3593)

Conversions

Conversions Part 1

Format	Color
Hex	008D7F
RGB	0, 141, 127
RGB Percent	0%, 55%, 50%
CMY	1.0000, 0.4470, 0.5019
CMYK	1.00, 0.00, 0.10, 0.45
HSL	174°, 100%, 28%
HSV	174°, 100%, 55%
XYZ	13.3529, 20.5821, 23.3489
YIQ	97.2450, -79.5420, -34.2460

Conversions

Conversions Part 2

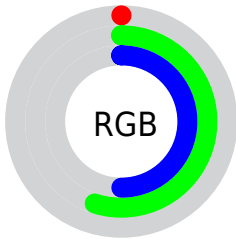
Format	Color
RYB	0, 74, 141
Decimal	36223
CIELab	52.49, -35.29, -1.63
CIElCh	52, 35.323, 182.638
Yxy	20.5821, 0.2331, 0.3593
Android (android.graphics.Color)	4278226303 (0xFF008D7F)
YUV	97.2450, 14.6692, -85.2839
Hunter-Lab	45.3675, -26.8558, 1.2430

Details

The Yxy color **20.5821, 0.2331, 0.3593** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **5.6952, 0.6254, 0.3219**, and the grayscale version is **11.9967, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.2568, 0.2504, 0.3518**, and **7.8624, 0.2356, 0.3682** is the 20% darker color. If you saturate the color by 10%, you get **20.5848, 0.2331, 0.3593**, and if you desaturate by 10%, it is **20.7158, 0.2343, 0.3560**.

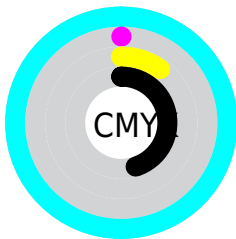
Distribution



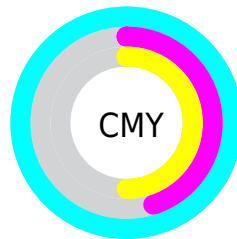
- Red (0%)
- Green (55%)
- Blue (50%)



- Red (0%)
- Yellow (29%)
- Blue (55%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (45%)





- Cyan (100%)
- Magenta (45%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5821, 0.2331, 0.3593 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 20.5821, 0.2331, 0.3593 by changing the saturation by 10% instead.


 20.5821, 0.2331,
0.3593


 20.5821, 0.2331,
0.3593


255.0492, 0.2777,
0.3426


 12.8189, 0.2201,
0.3640


 44.3910, 0.2506,
0.3528

 7.3039, 0.2022,
0.3705


 61.2054, 0.2568,
0.3505


 3.6529, 0.1761,
0.3796

 81.8058, 0.2618,
0.3486

 1.4814, 0.1219,
0.3990

 106.5763, 0.2661,
0.3470

 0.2756, 0.0000,
0.3998

 135.9016, 0.2697,
0.3456

 0.0000, 0.0000,
0.0000

 170.1659, 0.2727,

0.3445

209.7536, 0.2754,
0.3435

■ 20.5821, 0.2331,
0.3593

■ 20.5821, 0.2331,
0.3593

■ 20.5848, 0.2331,
0.3593

■ 20.7158, 0.2343,
0.3560

■ 20.9086, 0.2366,
0.3527

■ 21.1954, 0.2407,
0.3494

■ 21.5874, 0.2467,
0.3461

■ 22.0948, 0.2544,
0.3429

■ 22.7261, 0.2637,
0.3397

■ 23.4892, 0.2744,
0.3368

■ 24.3914, 0.2864,
0.3340

■ 25.4393, 0.2992,
0.3314

Harmonies

Analogous

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



20.5821, 0.2854, 0.4207



20.5821, 0.2331, 0.3593



20.5821, 0.2035, 0.2944

Triad

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



20.5821, 0.2331, 0.3593



20.5821, 0.2677, 0.2335



20.5821, 0.4381, 0.3926

Complementary

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



20.5821, 0.2331, 0.3593



5.6952, 0.6254, 0.3219

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.



20.5821, 0.4356, 0.3436



20.5821, 0.2331, 0.3593



20.5821, 0.3309, 0.2571

Square

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



20.5821, 0.2331, 0.3593



20.5821, 0.2220, 0.2298



20.5821, 0.3948, 0.2960



20.5821, 0.4047, 0.4329

Rectangle

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



20.5821, 0.2331, 0.3593



20.5821, 0.1983, 0.2616



20.5821, 0.3948, 0.2960



20.5821, 0.4418, 0.3766

Sweetspot

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



20.5848, 0.2331, 0.3593



41.9642, 0.2737, 0.3369



19.1466, 0.3030, 0.5976



9.2551, 0.2696, 0.3380



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.



20.5848, 0.2331, 0.3593



36.8450, 0.2333, 0.3600



8.3584, 0.1876, 0.1954



6.1072, 0.3003, 0.3312



18.7682, 0.2331, 0.3592



0.1812, 0.2286, 0.3429

Inverse Universe

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



5.6952, 0.6254, 0.3219



10.1855, 0.6285, 0.3236



8.5311, 0.5660, 0.3888



5.4322, 0.3267, 0.3268



5.1935, 0.6248, 0.3216



0.0510, 0.5634, 0.2877

Previews

White Background



This preview shows how the Yxy color 20.5821, 0.2331, 0.3593 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 20.5821, 0.2331, 0.3593 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

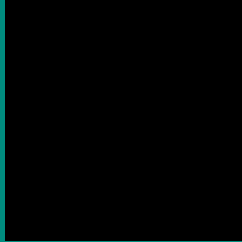
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.5821, 0.2331, 0.3593

Background



This preview shows how black text looks on a background with the Yxy color 20.5821, 0.2331, 0.3593.

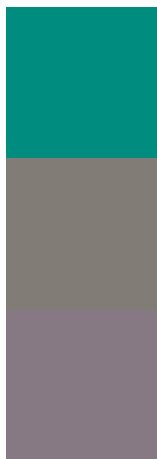


This preview shows how white text looks on a background with the Yxy color 20.5821, 0.2331, 0.3593.

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

20.5821, 0.2331, 0.3593

Protanopia

20.3904, 0.3257, 0.3400

Deuteranopia

20.3818, 0.3172, 0.3114



Tritanopia

20.7220, 0.2255, 0.3066

Trichromacy



Original Color

20.5821, 0.2331, 0.3593



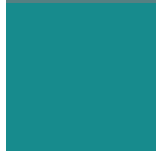
Protanomaly

19.1396, 0.2709, 0.3477



Deuteranomaly

18.9813, 0.2651, 0.3248



Tritanomaly

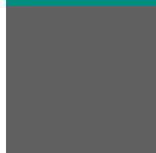
20.5705, 0.2271, 0.3246

Monochromacy



Original Color

20.5821, 0.2331, 0.3593



Achromatopsia

11.9538, 0.3127, 0.3290



Achromatomaly

13.9171, 0.2596, 0.3408

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5821, 0.2331, 0.3593 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, 141, 127)` looks like.

```
.text, #text, p{  
    color:rgb(0, 141, 127)  
}
```

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, 141, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 141, 127) }
```

Border

The CSS property to change the border of an element to Yxy 20.5821, 0.2331, 0.3593 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, 141, 127) }
```

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

```
.border{ border-color:rgb(0, 141, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 141, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 141, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 141, 127);  
box-shadow:4px 4px 4px 4px rgb(0, 141,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5821, 0.2331, 0.3593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 141, 127) }
```

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

```
.background{ background-color: rgb(0, 141,  
127) }
```

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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