

Converting Colors

$Yxy(20.4302, 0.2370, 0.3731)$

Have a look what the booklet for
Yxy(20.4302, 0.2370, 0.3731)
contains.

Yxy(20.4302, 0.2370, 0.3731)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(20.4302, 0.2370, 0.3731)$

Conversions

Conversions Part 1

Format	Color
Hex	008D79
RGB	0, 141, 121
RGB Percent	0%, 55%, 47%
CMY	0.9994, 0.4471, 0.5255
CMYK	1.00, 0.00, 0.14, 0.45
HSL	171°, 100%, 28%
HSV	171°, 100%, 55%
XYZ	12.9776, 20.4302, 21.3501
YIQ	96.5610, -77.6160, -36.1120

Conversions

Conversions Part 2

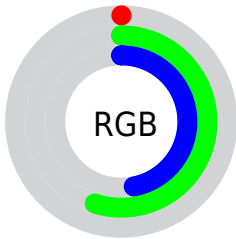
Format	Color
RYB	0, 76, 141
Decimal	36217
CIELab	52.32, -37.02, 1.60
CIELCh	52, 37.051, 177.523
Yxy	20.4302, 0.2370, 0.3731
Android (android.graphics.Color)	4278226297 (0xFF008D79)
YUV	96.5610, 12.0484, -84.6840
Hunter-Lab	45.1998, -27.8492, 3.6342

Details

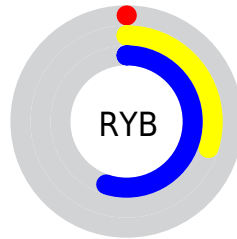
The Yxy color **20.4302, 0.2370, 0.3731** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **5.7171, 0.6168, 0.3173**, and the grayscale version is **11.8373, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.9322, 0.2537, 0.3629**, and **7.7934, 0.2405, 0.3857** is the 20% darker color. If you saturate the color by 10%, you get **20.4294, 0.2370, 0.3732**, and if you desaturate by 10%, it is **20.5750, 0.2378, 0.3682**.

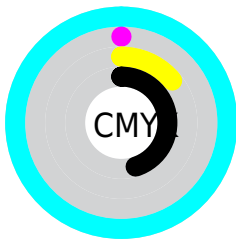
Distribution



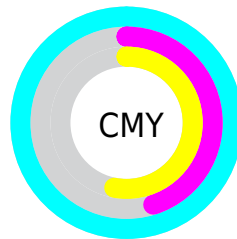
- Red (0%)
- Green (55%)
- Blue (47%)



- Red (0%)
- Yellow (30%)
- Blue (55%)



- Cyan (100%)
- Magenta (0%)
- Yellow (14%)
- Black (45%)





- Cyan (100%)
- Magenta (45%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4302, 0.2370, 0.3731 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 20.4302, 0.2370, 0.3731 by changing the saturation by 10% instead.


 20.4302, 0.2370,
0.3731


 20.4302, 0.2370,
0.3731


 254.2346, 0.2798,
0.3480


 12.7081, 0.2244,
0.3807


 44.1373, 0.2539,
0.3631


 7.2279, 0.2068,
0.3913


 60.8911, 0.2598,
0.3596


 3.6050, 0.1808,
0.4072

 81.4243, 0.2647,
0.3568

 1.4552, 0.1197,
0.4434

 106.1212, 0.2687,
0.3544

 0.2569, 0.0000,
0.6050

 135.3663, 0.2721,
0.3524

 0.0000, 0.0000,
0.0000

 169.5440, 0.2750,

0.3507

209.0386, 0.2776,
0.3493

■ 20.4302, 0.2370,
0.3731

■ 20.4302, 0.2370,
0.3731

■ 20.4294, 0.2370,
0.3732

■ 20.5750, 0.2378,
0.3682

■ 20.7822, 0.2398,
0.3634

■ 21.0839, 0.2437,
0.3585

■ 21.4916, 0.2493,
0.3537

■ 22.0151, 0.2567,
0.3490

■ 22.6632, 0.2657,
0.3444

■ 23.4438, 0.2761,
0.3401

■ 24.3640, 0.2876,
0.3361

■ 25.4305, 0.2999,
0.3324

Harmonies

Analogous

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



20.4302, 0.2946, 0.4341



20.4302, 0.2370, 0.3731



20.4302, 0.2018, 0.3028

Triad

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



20.4302, 0.2370, 0.3731



20.4302, 0.2557, 0.2271



20.4302, 0.4468, 0.3864

Complementary

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



20.4302, 0.2370, 0.3731



5.7171, 0.6168, 0.3173

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.



20.4302, 0.4373, 0.3350



20.4302, 0.2370, 0.3731



20.4302, 0.3196, 0.2484

Square

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



20.4302, 0.2370, 0.3731



20.4302, 0.2122, 0.2269



20.4302, 0.3885, 0.2866



20.4302, 0.4169, 0.4316

Rectangle

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



20.4302, 0.2370, 0.3731



20.4302, 0.1935, 0.2657



20.4302, 0.3885, 0.2866



20.4302, 0.4484, 0.3694

Sweetspot

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



20.4310, 0.2370, 0.3731



41.8706, 0.2753, 0.3405



19.2122, 0.3052, 0.5958



9.2318, 0.2713, 0.3420



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.



20.4310, 0.2370, 0.3731



36.5677, 0.2373, 0.3742



9.5274, 0.1925, 0.2130



6.1033, 0.3008, 0.3321



18.6300, 0.2369, 0.3730



0.1805, 0.2304, 0.3494

Inverse Universe

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



5.7171, 0.6168, 0.3173



10.2159, 0.6210, 0.3194



7.8977, 0.5793, 0.3780



5.4358, 0.3260, 0.3259



5.2110, 0.6164, 0.3169



0.0517, 0.5374, 0.2734

Previews

White Background



This preview shows how the Yxy color 20.4302, 0.2370, 0.3731 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 20.4302, 0.2370, 0.3731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

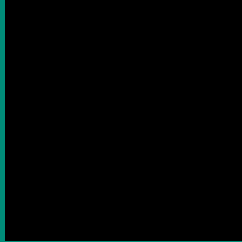
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.4302, 0.2370, 0.3731

Background



This preview shows how black text looks on a background with the Yxy color 20.4302, 0.2370, 0.3731.



This preview shows how white text looks on a background with the Yxy color 20.4302, 0.2370, 0.3731.

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

20.4302, 0.2370, 0.3731

Protanopia

20.2523, 0.3327, 0.3512

Deuteranopia

20.1735, 0.3257, 0.3184



Tritanopia

20.4608, 0.2266, 0.3065

Trichromacy



Original Color

20.4302, 0.2370, 0.3731

Protanomaly

18.9969, 0.2764, 0.3607

Deuteranomaly

18.9198, 0.2724, 0.3371

Tritanomaly

20.2186, 0.2289, 0.3288

Monochromacy



Original Color

20.4302, 0.2370, 0.3731

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

13.8750, 0.2615, 0.3458

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4302, 0.2370, 0.3731 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, 121)` looks like.

```
.text, #text, p{  
  color:rgb(0, 141, 121)  
}
```

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, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 141, 121) }
```

Border

The CSS property to change the border of an element to Yxy 20.4302, 0.2370, 0.3731 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, 121) }
```

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

```
.border{ border-color:rgb(0, 141, 121) }
```

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, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 141, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 141, 121);  
box-shadow:4px 4px 4px 4px rgb(0, 141,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4302, 0.2370, 0.3731 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, 121) }
```

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

```
.background{ background-color: rgb(0, 141,  
121) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor