

Converting Colors

$Yxy(22.4149, 0.1946, 0.3409)$

Have a look what the booklet for
Yxy(22.4149, 0.1946, 0.3409)
contains.

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Color

Yxy(24.1776, 0.2280, 0.3407)

Conversions

Conversions Part 1

Format	Color
Hex	009791
RGB	0, 151, 145
RGB Percent	0%, 59%, 57%
CMY	0.9992, 0.4079, 0.4313
CMYK	1.00, 0.00, 0.04, 0.41
HSL	178°, 100%, 30%
HSV	178°, 100%, 59%
XYZ	16.1799, 24.1776, 30.6070
YIQ	105.1670, -88.0700, -33.8780

Conversions

Conversions Part 2

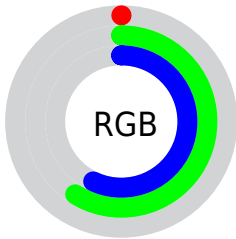
Format	Color
RYB	0, 77, 151
Decimal	38801
CIELab	56.27, -34.38, -6.42
CIELCh	56, 34.974, 190.575
Yxy	24.1776, 0.2280, 0.3407
Android (android.graphics.Color)	4278228881 (0xFF009791)
YUV	105.1670, 19.6377, -92.2315
Hunter-Lab	49.1707, -27.3123, -2.4864

Details

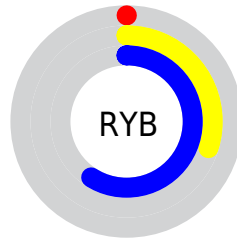
The Yxy color **24.1776, 0.2280, 0.3407** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **6.5970, 0.6345, 0.3270**, and the grayscale version is **14.1551, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.3900, 0.2454, 0.3388**, and **9.7499, 0.2279, 0.3404** is the 20% darker color. If you saturate the color by 10%, you get **24.1770, 0.2280, 0.3407**, and if you desaturate by 10%, it is **24.2999, 0.2295, 0.3394**.

Distribution



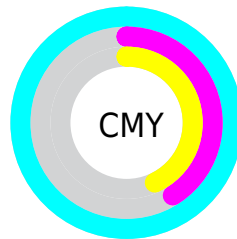
- Red (0%)
- Green (59%)
- Blue (57%)



- Red (0%)
- Yellow (30%)
- Blue (59%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (41%)




- Cyan (100%)
- Magenta (41%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.1776, 0.2280, 0.3407 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 24.1776, 0.2280, 0.3407 by changing the saturation by 10% instead.


 24.1776, 0.2280,
0.3407


 24.1776, 0.2280,
0.3407


 273.7171, 0.2740,
0.3353


 15.4654, 0.2153,
0.3418


 50.3199, 0.2456,
0.3389


 9.1467, 0.1983,
0.3428


 68.5187, 0.2519,
0.3382

 4.8370, 0.1744,
0.3436

 90.6486, 0.2572,
0.3375

 2.1519, 0.1390,
0.3429

 117.0939, 0.2616,
0.3370

 0.6936, 0.0000,
0.3616

 148.2390, 0.2654,
0.3365

 0.0000, 0.0000,
0.0000

 184.4683, 0.2686,

0.3360

226.1662, 0.2715,
0.3356

■ 24.1776, 0.2280,
0.3407

■ 24.1776, 0.2280,
0.3407

■ 24.1770, 0.2280,
0.3407

■ 24.2999, 0.2295,
0.3394

■ 24.4965, 0.2322,
0.3382

■ 24.8024, 0.2367,
0.3369

■ 25.2314, 0.2430,
0.3356

■ 25.7952, 0.2511,
0.3344

■ 26.5039, 0.2609,
0.3332

■ 27.3671, 0.2722,
0.3320

■ 28.3932, 0.2849,
0.3309

■ 29.5902, 0.2985,
0.3299

Harmonies

Analogous

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



24.1776, 0.2727, 0.4015



24.1776, 0.2280, 0.3407



24.1776, 0.2062, 0.2834

Triad

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



24.1776, 0.2280, 0.3407



24.1776, 0.2851, 0.2428



24.1776, 0.4254, 0.4010

Complementary

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



24.1776, 0.2280, 0.3407



6.5970, 0.6345, 0.3270

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.



24.1776, 0.4324, 0.3559



24.1776, 0.2280, 0.3407



24.1776, 0.3466, 0.2696

Square

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



24.1776, 0.2280, 0.3407



24.1776, 0.2365, 0.2341



24.1776, 0.4028, 0.3096



24.1776, 0.3872, 0.4336

Rectangle

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



24.1776, 0.2280, 0.3407



24.1776, 0.2055, 0.2564



24.1776, 0.4028, 0.3096



24.1776, 0.4318, 0.3867

Sweetspot

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



24.1785, 0.2280, 0.3407



48.8896, 0.2714, 0.3321



22.1829, 0.3014, 0.5988



10.9698, 0.2668, 0.3325



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



24.1785, 0.2280, 0.3407



43.2929, 0.2281, 0.3410



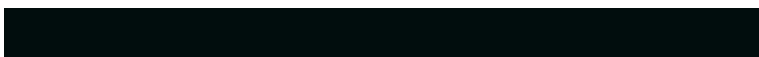
8.4435, 0.1827, 0.1774



7.0223, 0.2994, 0.3299



20.5697, 0.2280, 0.3406



0.3086, 0.2264, 0.3349

Inverse Universe

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



6.5970, 0.6345, 0.3270



11.7998, 0.6362, 0.3278



10.7211, 0.5525, 0.3993



6.2265, 0.3277, 0.3282



5.6094, 0.6343, 0.3268



0.0848, 0.6068, 0.3116

Previews

White Background



This preview shows how the Yxy color 24.1776, 0.2280, 0.3407 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 24.1776, 0.2280, 0.3407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

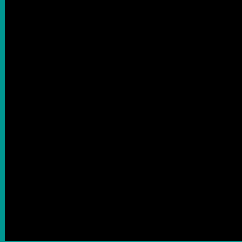
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.1776, 0.2280, 0.3407

Background



This preview shows how black text looks on a background with the Yxy color 24.1776, 0.2280, 0.3407.

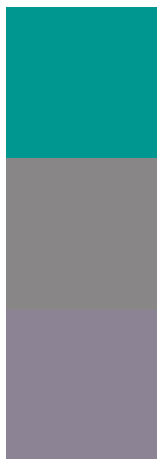


This preview shows how white text looks on a background with the Yxy color 24.1776, 0.2280, 0.3407.

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

24.1776, 0.2280, 0.3407

Protanopia

24.0337, 0.3139, 0.3273

Deuteranopia

23.9780, 0.3040, 0.2993



Tritanopia

24.3752, 0.2232, 0.3061

Trichromacy



Original Color

24.1776, 0.2280, 0.3407



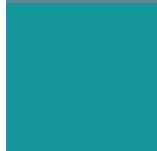
Protanomaly

22.6465, 0.2624, 0.3308



Deuteranomaly

22.4389, 0.2564, 0.3101



Tritanomaly

24.3280, 0.2244, 0.3191

Monochromacy



Original Color

24.1776, 0.2280, 0.3407



Achromatopsia

14.1263, 0.3127, 0.3290



Achromatomaly

16.4684, 0.2563, 0.3333

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.1776, 0.2280, 0.3407 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, 151, 145)` looks like.

```
.text, #text, p{  
    color:rgb(0, 151, 145)  
}
```

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, 151, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 151, 145) }
```

Border

The CSS property to change the border of an element to Yxy 24.1776, 0.2280, 0.3407 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, 151, 145) }
```

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

```
.border{ border-color:rgb(0, 151, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 151, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 151, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 151, 145);  
box-shadow:4px 4px 4px 4px rgb(0, 151,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 24.1776, 0.2280, 0.3407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 151, 145) }
```

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

```
.background{ background-color: rgb(0, 151,  
145) }
```

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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