

Converting Colors

$Yxy(20.7186, 0.1578, 0.3543)$

Have a look what the booklet for
Yxy(20.7186, 0.1578, 0.3543)
contains.

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Color

Yxy(24.0563, 0.2303, 0.3490)

Conversions

Conversions Part 1

Format	Color
Hex	00978D
RGB	0, 151, 141
RGB Percent	0%, 59%, 55%
CMY	0.9994, 0.4078, 0.4471
CMYK	1.00, 0.00, 0.07, 0.41
HSL	176°, 100%, 30%
HSV	176°, 100%, 59%
XYZ	15.8744, 24.0563, 28.9985
YIQ	104.7110, -86.7860, -35.1220

Conversions

Conversions Part 2

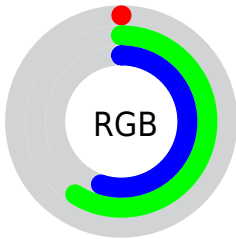
Format	Color
RYB	0, 78, 151
Decimal	38797
CIELab	56.14, -35.61, -4.29
CIELCh	56, 35.871, 186.870
Yxy	24.0563, 0.2303, 0.3490
Android (android.graphics.Color)	4278228877 (0xFF00978D)
YUV	104.7110, 17.8905, -91.8315
Hunter-Lab	49.0472, -28.0601, -0.7214

Details

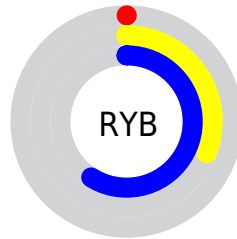
The Yxy color **24.0563, 0.2303, 0.3490** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **6.6050, 0.6310, 0.3251**, and the grayscale version is **14.0252, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.2066, 0.2474, 0.3447**, and **9.6790, 0.2312, 0.3525** is the 20% darker color. If you saturate the color by 10%, you get **24.0559, 0.2303, 0.3490**, and if you desaturate by 10%, it is **24.1899, 0.2316, 0.3468**.

Distribution



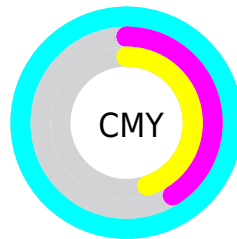
- Red (0%)
- Green (59%)
- Blue (55%)



- Red (0%)
- Yellow (31%)
- Blue (59%)



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (41%)




- Cyan (100%)
- Magenta (41%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.0563, 0.2303, 0.3490 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 24.0563, 0.2303, 0.3490 by changing the saturation by 10% instead.


 24.0563, 0.2303,
0.3490


 24.0563, 0.2303,
0.3490


273.1050, 0.2752,
0.3387


 15.3754, 0.2178,
0.3516


 50.1221, 0.2476,
0.3452


 9.0833, 0.2010,
0.3548


 68.2757, 0.2537,
0.3438

 4.7955, 0.1772,
0.3588

 90.3557, 0.2589,
0.3426

 2.1278, 0.1417,
0.3634

 116.7465, 0.2632,
0.3416

 0.6802, 0.0000,
0.3948

 147.8324, 0.2668,
0.3408

 0.0000, 0.0000,
0.0000

 183.9978, 0.2700,

0.3400

225.6272, 0.2728,
0.3393

■ 24.0563, 0.2303,
0.3490

■ 24.0563, 0.2303,
0.3490

■ 24.0559, 0.2303,
0.3490

■ 24.1899, 0.2316,
0.3468

■ 24.3978, 0.2341,
0.3447

■ 24.7152, 0.2384,
0.3425

■ 25.1557, 0.2445,
0.3403

■ 25.7312, 0.2524,
0.3382

■ 26.4518, 0.2621,
0.3361

■ 27.3270, 0.2732,
0.3341

■ 28.3653, 0.2855,
0.3323

■ 29.5746, 0.2988,
0.3306

Harmonies

Analogous

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



24.0563, 0.2785, 0.4102



24.0563, 0.2303, 0.3490



24.0563, 0.2050, 0.2883

Triad

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



24.0563, 0.2303, 0.3490



24.0563, 0.2772, 0.2386



24.0563, 0.4312, 0.3972

Complementary

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



24.0563, 0.2303, 0.3490



6.6050, 0.6310, 0.3251

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.



24.0563, 0.4339, 0.3503



24.0563, 0.2303, 0.3490



24.0563, 0.3395, 0.2640

Square

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



24.0563, 0.2303, 0.3490



24.0563, 0.2299, 0.2321



24.0563, 0.3992, 0.3034



24.0563, 0.3951, 0.4334

Rectangle

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



24.0563, 0.2303, 0.3490



24.0563, 0.2023, 0.2587



24.0563, 0.3992, 0.3034



24.0563, 0.4363, 0.3821

Sweetspot

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



24.0572, 0.2303, 0.3490



48.8192, 0.2723, 0.3343



22.1999, 0.3018, 0.5985



10.9518, 0.2679, 0.3350



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.



24.0572, 0.2303, 0.3490



43.0697, 0.2304, 0.3494



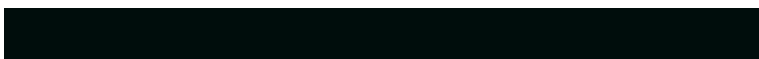
8.8325, 0.1842, 0.1831



7.0195, 0.2997, 0.3305



20.4662, 0.2303, 0.3489



0.3078, 0.2275, 0.3392

Inverse Universe

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



6.6050, 0.6310, 0.3251



11.8119, 0.6335, 0.3263



10.4203, 0.5573, 0.3955



6.2290, 0.3273, 0.3276



5.6176, 0.6304, 0.3247



0.0855, 0.5868, 0.3006

Previews

White Background



This preview shows how the Yxy color 24.0563, 0.2303, 0.3490 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 24.0563, 0.2303, 0.3490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

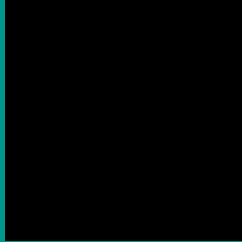
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.0563, 0.2303, 0.3490

Background



This preview shows how black text looks on a background with the Yxy color 24.0563, 0.2303, 0.3490.

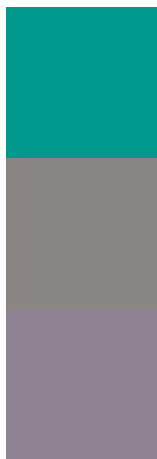


This preview shows how white text looks on a background with the Yxy color 24.0563, 0.2303, 0.3490.

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

24.0563, 0.2303, 0.3490

Protanopia

23.7321, 0.3194, 0.3325

Deuteranopia

23.7914, 0.3094, 0.3026



Tritanopia

24.0752, 0.2241, 0.3060

Trichromacy



Original Color

24.0563, 0.2303, 0.3490



Protanomaly

22.5317, 0.2657, 0.3386



Deuteranomaly

22.3642, 0.2604, 0.3175



Tritanomaly

23.9654, 0.2254, 0.3210

Monochromacy



Original Color

24.0563, 0.2303, 0.3490



Achromatopsia

14.1263, 0.3127, 0.3290



Achromatomaly

16.4204, 0.2580, 0.3378

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.0563, 0.2303, 0.3490 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, 141)` looks like.

```
.text, #text, p{  
    color:rgb(0, 151, 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, 151, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 151, 141) }
```

Border

The CSS property to change the border of an element to Yxy 24.0563, 0.2303, 0.3490 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, 141) }
```

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

```
.border{ border-color:rgb(0, 151, 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, 151, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 151, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 151, 141);  
box-shadow:4px 4px 4px 4px rgb(0, 151,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 24.0563, 0.2303, 0.3490 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, 141) }
```

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

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