

Converting Colors

$Yxy(24.8749, 0.2366, 0.3719)$

Have a look what the booklet for
Yxy(24.8749, 0.2366, 0.3719)
contains.

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Color

Yxy(24.8047, 0.2366, 0.3717)

Conversions

Conversions Part 1

Format	Color
Hex	009A85
RGB	0, 154, 133
RGB Percent	0%, 60%, 52%
CMY	0.9996, 0.3961, 0.4785
CMYK	1.00, 0.00, 0.14, 0.40
HSL	172°, 100%, 30%
HSV	172°, 100%, 60%
XYZ	15.7891, 24.8047, 26.1394
YIQ	105.5600, -85.0430, -39.1790

Conversions

Conversions Part 2

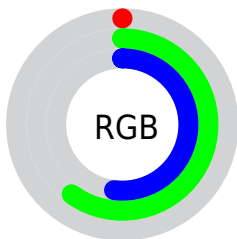
Format	Color
RYB	0, 83, 154
Decimal	39557
CIELab	56.88, -39.30, 1.36
CIELCh	57, 39.323, 178.015
Yxy	24.8047, 0.2366, 0.3717
Android (android.graphics.Color)	4278229637 (0xFF009A85)
YUV	105.5600, 13.5279, -92.5761
Hunter-Lab	49.8043, -30.5692, 3.7452

Details

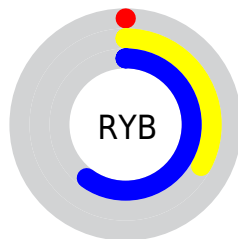
The Yxy color **24.8047, 0.2366, 0.3717** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **6.9271, 0.6195, 0.3187**, and the grayscale version is **14.2751, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.2699, 0.2529, 0.3623**, and **10.1428, 0.2396, 0.3827** is the 20% darker color. If you saturate the color by 10%, you get **24.8046, 0.2366, 0.3717**, and if you desaturate by 10%, it is **24.9695, 0.2372, 0.3670**.

Distribution



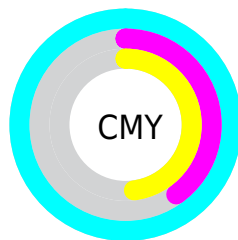
- Red (0%)
- Green (60%)
- Blue (52%)



- Red (0%)
- Yellow (33%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (14%)
- Black (40%)




- Cyan (100%)
- Magenta (40%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 24.8047, 0.2366, 0.3717 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 24.8047, 0.2366, 0.3717 by changing the saturation by 10% instead.


 24.8047, 0.2366,
0.3717


 24.8047, 0.2366,
0.3717


 276.8639, 0.2784,
0.3481


 15.9316, 0.2248,
0.3784


 51.3402, 0.2527,
0.3625

 9.4758, 0.2089,
0.3877


 69.7714, 0.2585,
0.3593


 5.0528, 0.1861,
0.4010

 92.1575, 0.2633,
0.3566

 2.2783, 0.1513,
0.4218

 118.8827, 0.2672,
0.3543

 0.7622, 0.0000,
0.5092

 150.3316, 0.2706,
0.3524

 0.0000, 0.0000,
0.0000

 186.8885, 0.2736,

0.3508

228.9378, 0.2761,
0.3494

■ 24.8047, 0.2366,
0.3717

■ 24.8047, 0.2366,
0.3717

■ 24.8046, 0.2366,
0.3717

■ 24.9695, 0.2372,
0.3670

■ 25.2134, 0.2392,
0.3623

■ 25.5726, 0.2430,
0.3576

■ 26.0615, 0.2487,
0.3529

■ 26.6925, 0.2561,
0.3484

■ 27.4764, 0.2651,
0.3440

■ 28.4230, 0.2756,
0.3398

■ 29.5414, 0.2872,
0.3359

■ 30.8398, 0.2997,
0.3323

Harmonies

Analogous

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



24.8047, 0.2937, 0.4327



24.8047, 0.2366, 0.3717



24.8047, 0.2020, 0.3019

Triad

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



24.8047, 0.2366, 0.3717



24.8047, 0.2569, 0.2277



24.8047, 0.4460, 0.3870

Complementary

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



24.8047, 0.2366, 0.3717



6.9271, 0.6195, 0.3187

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.



24.8047, 0.4372, 0.3359



24.8047, 0.2366, 0.3717



24.8047, 0.3207, 0.2493

Square

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



24.8047, 0.2366, 0.3717



24.8047, 0.2132, 0.2272



24.8047, 0.3892, 0.2875



24.8047, 0.4157, 0.4317

Rectangle

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



24.8047, 0.2366, 0.3717



24.8047, 0.1939, 0.2652



24.8047, 0.3892, 0.2875



24.8047, 0.4478, 0.3701

Sweetspot

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



24.8056, 0.2366, 0.3717



51.5064, 0.2749, 0.3401



23.2966, 0.3048, 0.5961



11.4989, 0.2706, 0.3417



78.7412, 0.3127, 0.3290



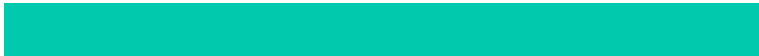
13.2868, 0.3127, 0.3290

Same Dimension

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



24.8056, 0.2366, 0.3717



45.0369, 0.2369, 0.3726



11.4746, 0.1923, 0.2120



7.0120, 0.3006, 0.3320



20.2121, 0.2365, 0.3714



0.3057, 0.2307, 0.3505

Inverse Universe

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



6.9271, 0.6195, 0.3187



12.5615, 0.6231, 0.3206



9.5059, 0.5808, 0.3770



6.2357, 0.3263, 0.3260



5.6447, 0.6182, 0.3179



0.0875, 0.5418, 0.2758

Previews

White Background



This preview shows how the Yxy color 24.8047, 0.2366, 0.3717 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 24.8047, 0.2366, 0.3717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

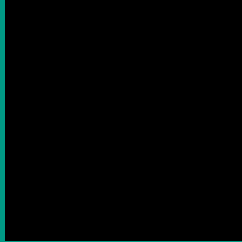
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.8047, 0.2366, 0.3717

Background



This preview shows how black text looks on a background with the Yxy color 24.8047, 0.2366, 0.3717.

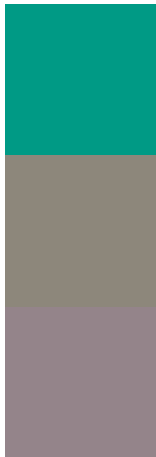


This preview shows how white text looks on a background with the Yxy color 24.8047, 0.2366, 0.3717.

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

24.8047, 0.2366, 0.3717

Protanopia

24.4207, 0.3324, 0.3495

Deuteranopia

24.6334, 0.3247, 0.3192



Tritanopia

24.9136, 0.2261, 0.3064

Trichromacy



Original Color

24.8047, 0.2366, 0.3717

Protanomaly

23.0520, 0.2753, 0.3581

Deuteranomaly

22.9134, 0.2708, 0.3365

Tritanomaly

24.6006, 0.2286, 0.3288

Monochromacy



Original Color

24.8047, 0.2366, 0.3717

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

16.6202, 0.2602, 0.3445

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8047, 0.2366, 0.3717 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, 154, 133)` looks like.

```
.text, #text, p{  
    color:rgb(0, 154, 133)  
}
```

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, 154, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 154, 133) }
```

Border

The CSS property to change the border of an element to Yxy 24.8047, 0.2366, 0.3717 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, 154, 133) }
```

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

```
.border{ border-color:rgb(0, 154, 133) }
```

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

Here you see how a box with a 4 pixel rgb(0, 154, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 154, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 154, 133);  
box-shadow:4px 4px 4px 4px rgb(0, 154,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8047, 0.2366, 0.3717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 154, 133) }
```

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

```
.background{ background-color: rgb(0, 154,  
133) }
```

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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