

Converting Colors

$Yxy(24.6024, 0.2334, 0.3602)$

Have a look what the booklet for
Yxy(24.6024, 0.2334, 0.3602)
contains.

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Color

$\text{Yxy}(24.5886, 0.2337, 0.3612)$

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 009989 |
| RGB | 0, 153, 137 |
| RGB Percent | 0%, 60%, 54% |
| CMY | 0.9990, 0.4000, 0.4627 |
| CMYK | 1.00, 0.00, 0.10, 0.40 |
| HSL | 174°, 100%, 30% |
| HSV | 174°, 100%, 60% |
| XYZ | 15.9091, 24.5886, 27.5771 |
| YIQ | 105.4290, -86.0520, -37.4120 |

Conversions

Conversions Part 2

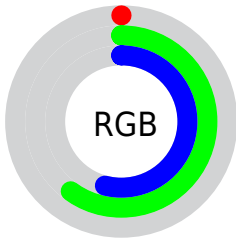
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 0, 81, 153 |
| Decimal | 39305 |
| CIELab | 56.67, -37.69, -1.24 |
| CIElCh | 57, 37.710, 181.888 |
| Yxy | 24.5886, 0.2337, 0.3612 |
| Android (android.graphics.Color) | 4278229385 (0xFF009989) |
| YUV | 105.4290, 15.5645, -92.4612 |
| Hunter-Lab | 49.5869, -29.5085, 1.7375 |

Details

The Yxy color **24.5886, 0.2337, 0.3612** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **6.8154, 0.6252, 0.3220**, and the grayscale version is **14.2441, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.9533, 0.2505, 0.3549**, and **9.9955, 0.2363, 0.3705** is the 20% darker color. If you saturate the color by 10%, you get **24.5872, 0.2337, 0.3613**, and if you desaturate by 10%, it is **24.7405, 0.2346, 0.3577**.

Distribution



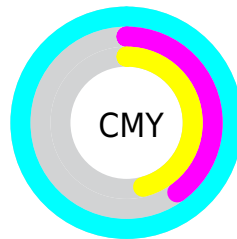
- Red (0%)
- Green (60%)
- Blue (54%)



- Red (0%)
- Yellow (32%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (40%)




- Cyan (100%)
- Magenta (40%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.5886, 0.2337, 0.3612 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 24.5886, 0.2337, 0.3612 by changing the saturation by 10% instead.


 24.5886, 0.2337,
0.3612


 24.5886, 0.2337,
0.3612


275.7829, 0.2769,
0.3438


 15.7708, 0.2216,
0.3660


 50.9890, 0.2503,
0.3546

 9.3621, 0.2053,
0.3724


 69.3404, 0.2563,
0.3522

 4.9781, 0.1822,
0.3813

 91.6385, 0.2612,
0.3502

 2.2344, 0.1472,
0.3943

 118.2677, 0.2653,
0.3485

 0.7387, 0.0000,
0.4532

 149.6123, 0.2689,
0.3471

 0.0000, 0.0000,
0.0000

 186.0568, 0.2719,

0.3458

227.9855, 0.2745,
0.3447

■ 24.5886, 0.2337,
0.3612

■ 24.5886, 0.2337,
0.3612

■ 24.5872, 0.2337,
0.3613

■ 24.7405, 0.2346,
0.3577

■ 24.9701, 0.2369,
0.3542

■ 25.3131, 0.2409,
0.3506

■ 25.7835, 0.2468,
0.3471

■ 26.3935, 0.2545,
0.3437

■ 27.1536, 0.2638,
0.3404

■ 28.0737, 0.2746,
0.3372

■ 29.1624, 0.2865,
0.3342

■ 30.4279, 0.2994,
0.3315

Harmonies

Analogous

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



24.5886, 0.2868, 0.4225



24.5886, 0.2337, 0.3612



24.5886, 0.2033, 0.2956

Triad

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



24.5886, 0.2337, 0.3612



24.5886, 0.2660, 0.2326



24.5886, 0.4393, 0.3917

Complementary

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



24.5886, 0.2337, 0.3612



6.8154, 0.6252, 0.3220

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.



24.5886, 0.4358, 0.3424



24.5886, 0.2337, 0.3612



24.5886, 0.3293, 0.2559

Square

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



24.5886, 0.2337, 0.3612



24.5886, 0.2207, 0.2294



24.5886, 0.3939, 0.2947



24.5886, 0.4063, 0.4326

Rectangle

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



24.5886, 0.2337, 0.3612



24.5886, 0.1977, 0.2622



24.5886, 0.3939, 0.2947



24.5886, 0.4426, 0.3756

Sweetspot

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



24.5895, 0.2337, 0.3612



50.1445, 0.2737, 0.3374



22.9113, 0.3034, 0.5971



10.9265, 0.2694, 0.3386



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.



24.5895, 0.2337, 0.3612



44.0184, 0.2339, 0.3619



10.3856, 0.1891, 0.2005



7.0154, 0.3002, 0.3313



20.3246, 0.2336, 0.3610



0.3066, 0.2293, 0.3453

Inverse Universe

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



6.8154, 0.6252, 0.3220



12.1819, 0.6285, 0.3236



9.8799, 0.5714, 0.3843



6.2327, 0.3268, 0.3267



5.6308, 0.6244, 0.3213



0.0866, 0.5611, 0.2864

Previews

White Background



This preview shows how the Yxy color 24.5886, 0.2337, 0.3612 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 24.5886, 0.2337, 0.3612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

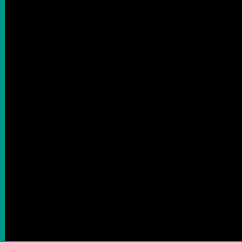
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.5886, 0.2337, 0.3612

Background



This preview shows how black text looks on a background with the Yxy color 24.5886, 0.2337, 0.3612.

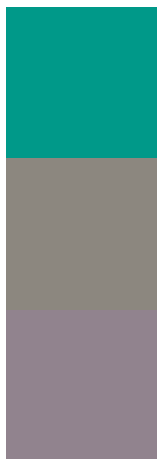


This preview shows how white text looks on a background with the Yxy color 24.5886, 0.2337, 0.3612.

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

24.5886, 0.2337, 0.3612

Protanopia

24.4357, 0.3269, 0.3427

Deuteranopia

24.2053, 0.3170, 0.3109



Tritanopia

24.5349, 0.2246, 0.3044

Trichromacy



Original Color

24.5886, 0.2337, 0.3612



Protanomaly

23.1085, 0.2711, 0.3502



Deuteranomaly

22.6340, 0.2655, 0.3270



Tritanomaly

24.3193, 0.2265, 0.3229

Monochromacy



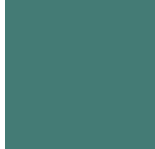
Original Color

24.5886, 0.2337, 0.3612



Achromatopsia

14.4128, 0.3127, 0.3290



Achromatomaly

16.6792, 0.2601, 0.3422

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.5886, 0.2337, 0.3612 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, 153, 137)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 137)  
}
```

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, 153, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 137) }
```

Border

The CSS property to change the border of an element to Yxy 24.5886, 0.2337, 0.3612 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, 153, 137) }
```

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

```
.border{ border-color:rgb(0, 153, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 153, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 137);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 24.5886, 0.2337, 0.3612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 153, 137) }
```

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

```
.background{ background-color: rgb(0, 153,  
137) }
```

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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