

Converting Colors

$Yxy(25.2517, 0.2355, 0.3686)$

Have a look what the booklet for
Yxy(25.2517, 0.2355, 0.3686)
contains.

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Color

Yxy(25.1920, 0.2359, 0.3693)

Conversions

Conversions Part 1

Format	Color
Hex	009B87
RGB	0, 155, 135
RGB Percent	0%, 61%, 53%
CMY	1.0000, 0.3921, 0.4706
CMYK	1.00, 0.00, 0.13, 0.39
HSL	172°, 100%, 30%
HSV	172°, 100%, 61%
XYZ	16.0920, 25.1920, 26.9315
YIQ	106.3750, -85.9600, -39.0800

Conversions

Conversions Part 2

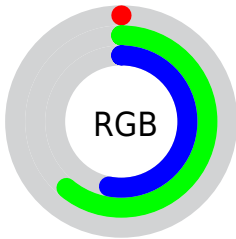
Format	Color
RYB	0, 83, 155
Decimal	39815
CIELab	57.26, -39.18, 0.77
CIELCh	57, 39.187, 178.875
Yxy	25.1920, 0.2359, 0.3693
Android (android.graphics.Color)	4278229895 (0xFF009B87)
YUV	106.3750, 14.1121, -93.2909
Hunter-Lab	50.1916, -30.6061, 3.3207

Details

The Yxy color **25.1920, 0.2359, 0.3693** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **7.0199, 0.6213, 0.3196**, and the grayscale version is **14.5004, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.8479, 0.2521, 0.3606**, and **10.3564, 0.2395, 0.3822** is the 20% darker color. If you saturate the color by 10%, you get **25.1941, 0.2359, 0.3693**, and if you desaturate by 10%, it is **25.3568, 0.2366, 0.3649**.

Distribution



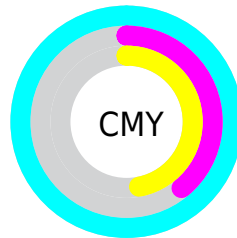
- Red (0%)
- Green (61%)
- Blue (53%)



- Red (0%)
- Yellow (33%)
- Blue (61%)



- Cyan (100%)
- Magenta (0%)
- Yellow (13%)
- Black (39%)





- Cyan (100%)
- Magenta (39%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 25.1920, 0.2359, 0.3693 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 25.1920, 0.2359, 0.3693 by changing the saturation by 10% instead.


 25.1920, 0.2359,
0.3693


 25.1920, 0.2359,
0.3693


 278.7928, 0.2779,
0.3472


 16.2202, 0.2241,
0.3755


 51.9685, 0.2521,
0.3607


 9.6801, 0.2082,
0.3840


 70.5420, 0.2579,
0.3577


 5.1874, 0.1856,
0.3962

 93.0848, 0.2627,
0.3552

 2.3576, 0.1513,
0.4149

 119.9814, 0.2667,
0.3531

 0.8040, 0.0000,
0.4946

 151.6161, 0.2701,
0.3513

 0.0000, 0.0000,
0.0000

 188.3732, 0.2731,

0.3497

230.6374, 0.2756,
0.3484

■ 25.1920, 0.2359,
0.3693

■ 25.1920, 0.2359,
0.3693

■ 25.1941, 0.2359,
0.3693

■ 25.3568, 0.2366,
0.3649

■ 25.6003, 0.2386,
0.3605

■ 25.9606, 0.2425,
0.3560

■ 26.4524, 0.2481,
0.3516

■ 27.0882, 0.2556,
0.3473

■ 27.8791, 0.2647,
0.3432

■ 28.8350, 0.2752,
0.3393

■ 29.9651, 0.2869,
0.3356

■ 31.2779, 0.2995,
0.3321

Harmonies

Analogous

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



25.1920, 0.2921, 0.4305



25.1920, 0.2359, 0.3693



25.1920, 0.2022, 0.3005

Triad

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



25.1920, 0.2359, 0.3693



25.1920, 0.2589, 0.2288



25.1920, 0.4445, 0.3881

Complementary

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



25.1920, 0.2359, 0.3693



7.0199, 0.6213, 0.3196

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.



25.1920, 0.4369, 0.3373



25.1920, 0.2359, 0.3693



25.1920, 0.3227, 0.2508

Square

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



25.1920, 0.2359, 0.3693



25.1920, 0.2148, 0.2277



25.1920, 0.3903, 0.2891



25.1920, 0.4136, 0.4320

Rectangle

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



25.1920, 0.2359, 0.3693



25.1920, 0.1947, 0.2645



25.1920, 0.3903, 0.2891



25.1920, 0.4467, 0.3714

Sweetspot

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



25.1941, 0.2359, 0.3693



51.5266, 0.2746, 0.3395



23.6010, 0.3041, 0.5968



11.5040, 0.2703, 0.3410



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.



25.1941, 0.2359, 0.3693



45.0956, 0.2362, 0.3701



11.1343, 0.1906, 0.2060



7.0128, 0.3005, 0.3319



20.2379, 0.2358, 0.3689



0.3059, 0.2304, 0.3493

Inverse Universe

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



7.0199, 0.6213, 0.3196



12.5546, 0.6245, 0.3214



9.8794, 0.5766, 0.3804



6.2350, 0.3264, 0.3262



5.6412, 0.6197, 0.3188



0.0873, 0.5461, 0.2782

Previews

White Background



This preview shows how the Yxy color 25.1920, 0.2359, 0.3693 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 25.1920, 0.2359, 0.3693 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

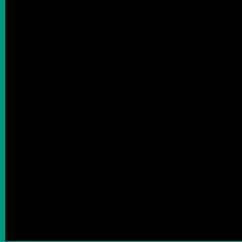
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.1920, 0.2359, 0.3693

Background



This preview shows how black text looks on a background with the Yxy color 25.1920, 0.2359, 0.3693.

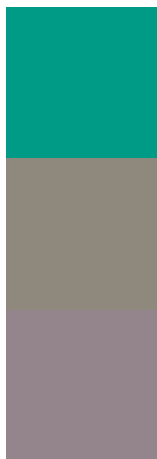


This preview shows how white text looks on a background with the Yxy color 25.1920, 0.2359, 0.3693.

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

25.1920, 0.2359, 0.3693

Protanopia

24.8398, 0.3312, 0.3477

Deuteranopia

24.9644, 0.3223, 0.3176



Tritanopia

25.2698, 0.2260, 0.3065

Trichromacy



Original Color

25.1920, 0.2359, 0.3693



Protanomaly

23.4036, 0.2738, 0.3560



Deuteranomaly

23.2644, 0.2693, 0.3345



Tritanomaly

24.9894, 0.2280, 0.3268

Monochromacy



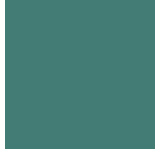
Original Color

25.1920, 0.2359, 0.3693



Achromatopsia

14.4128, 0.3127, 0.3290



Achromatomaly

16.8929, 0.2596, 0.3444

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.1920, 0.2359, 0.3693 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, 155, 135)` looks like.

```
.text, #text, p{  
    color:rgb(0, 155, 135)  
}
```

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, 155, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 155, 135) }
```

Border

The CSS property to change the border of an element to Yxy 25.1920, 0.2359, 0.3693 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, 155, 135) }
```

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

```
.border{ border-color:rgb(0, 155, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 155, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 155, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 155, 135);  
box-shadow:4px 4px 4px 4px rgb(0, 155,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 25.1920, 0.2359, 0.3693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 155, 135) }
```

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

```
.background{ background-color: rgb(0, 155,  
135) }
```

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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