

Converting Colors

$Yxy(24.9028, 0.2277, 0.3397)$

Have a look what the booklet for
Yxy(24.9028, 0.2277, 0.3397)
contains.

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Color

Yxy(24.8890, 0.2279, 0.3406)

Conversions

Conversions Part 1

Format	Color
Hex	009993
RGB	0, 153, 147
RGB Percent	0%, 60%, 58%
CMY	1.0000, 0.4000, 0.4235
CMYK	1.00, 0.00, 0.04, 0.40
HSL	178°, 100%, 30%
HSV	178°, 100%, 60%
XYZ	16.6536, 24.8890, 31.5314
YIQ	106.5690, -89.2620, -34.3020

Conversions

Conversions Part 2

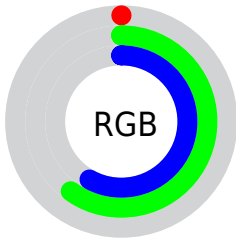
Format	Color
RYB	0, 78, 153
Decimal	39315
CIELab	56.97, -34.73, -6.51
CIELCh	57, 35.333, 190.624
Yxy	24.8890, 0.2279, 0.3406
Android (android.graphics.Color)	4278229395 (0xFF009993)
YUV	106.5690, 19.9325, -93.4610
Hunter-Lab	49.8889, -27.7199, -2.5510

Details

The Yxy color **24.8890, 0.2279, 0.3406** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **6.7865, 0.6349, 0.3271**, and the grayscale version is **14.5420, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.5025, 0.2454, 0.3387**, and **10.1704, 0.2278, 0.3402** is the 20% darker color. If you saturate the color by 10%, you get **24.8928, 0.2280, 0.3406**, and if you desaturate by 10%, it is **25.0158, 0.2294, 0.3394**.

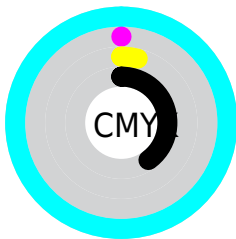
Distribution



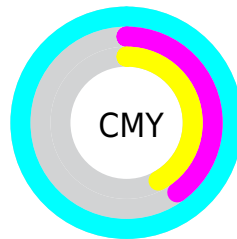
- Red (0%)
- Green (60%)
- Blue (58%)



- Red (0%)
- Yellow (31%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (40%)




- Cyan (100%)
- Magenta (40%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.8890, 0.2279, 0.3406 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 24.8890, 0.2279, 0.3406 by changing the saturation by 10% instead.


 24.8890, 0.2279,
0.3406


 24.8890, 0.2279,
0.3406


 277.2847, 0.2737,
0.3353


 15.9944, 0.2153,
0.3416


 51.4771, 0.2454,
0.3388


 9.5202, 0.1985,
0.3427

 69.9393, 0.2517,
0.3381


 5.0820, 0.1751,
0.3434

 92.3596, 0.2569,
0.3375

 2.2955, 0.1405,
0.3427

 119.1223, 0.2613,
0.3369

 0.7713, 0.0000,
0.3663

 150.6117, 0.2651,
0.3364

 0.0000, 0.0000,
0.0000

 187.2123, 0.2684,

0.3360

229.3085, 0.2712,
0.3356

■ 24.8890, 0.2279,
0.3406

■ 24.8890, 0.2279,
0.3406

■ 24.8928, 0.2280,
0.3406

■ 25.0158, 0.2294,
0.3394

■ 25.2159, 0.2321,
0.3381

■ 25.5284, 0.2365,
0.3368

■ 25.9676, 0.2428,
0.3356

■ 26.5456, 0.2509,
0.3343

■ 27.2731, 0.2607,
0.3331

■ 28.1597, 0.2720,
0.3320

■ 29.2143, 0.2846,
0.3309

■ 30.4451, 0.2983,
0.3299

Harmonies

Analogous

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



24.8890, 0.2726, 0.4014



24.8890, 0.2279, 0.3406



24.8890, 0.2061, 0.2833

Triad

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



24.8890, 0.2279, 0.3406



24.8890, 0.2852, 0.2428



24.8890, 0.4255, 0.4011

Complementary

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



24.8890, 0.2279, 0.3406



6.7865, 0.6349, 0.3271

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.



24.8890, 0.4325, 0.3560



24.8890, 0.2279, 0.3406



24.8890, 0.3467, 0.2697

Square

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



24.8890, 0.2279, 0.3406



24.8890, 0.2365, 0.2340



24.8890, 0.4029, 0.3096



24.8890, 0.3871, 0.4337

Rectangle

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



24.8890, 0.2279, 0.3406



24.8890, 0.2055, 0.2563



24.8890, 0.4029, 0.3096



24.8890, 0.4318, 0.3868

Sweetspot

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



24.8928, 0.2280, 0.3406



50.3206, 0.2713, 0.3321



22.8354, 0.3013, 0.5989



10.9701, 0.2668, 0.3325



76.7769, 0.3127, 0.3290



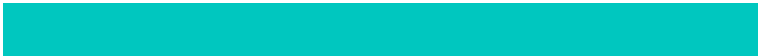
12.5967, 0.3127, 0.3290

Same Dimension

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



24.8928, 0.2280, 0.3406



44.5665, 0.2280, 0.3408



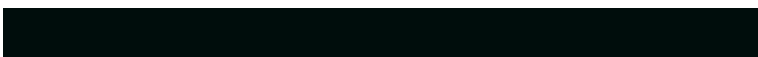
8.6652, 0.1825, 0.1771



7.0224, 0.2994, 0.3298



20.5714, 0.2279, 0.3405



0.3087, 0.2264, 0.3349

Inverse Universe

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



6.7865, 0.6349, 0.3271



12.1455, 0.6363, 0.3279



11.0118, 0.5530, 0.3991



6.2264, 0.3277, 0.3282



5.6093, 0.6343, 0.3268



0.0848, 0.6071, 0.3118

Previews

White Background



This preview shows how the Yxy color 24.8890, 0.2279, 0.3406 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 24.8890, 0.2279, 0.3406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

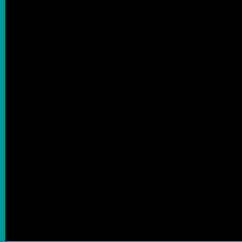
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.8890, 0.2279, 0.3406

Background



This preview shows how black text looks on a background with the Yxy color 24.8890, 0.2279, 0.3406.



This preview shows how white text looks on a background with the Yxy color 24.8890, 0.2279, 0.3406.

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

24.8890, 0.2279, 0.3406

Protanopia

24.5088, 0.3150, 0.3273

Deuteranopia

24.5203, 0.3032, 0.2965



Tritanopia

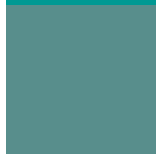
25.1009, 0.2234, 0.3063

Trichromacy



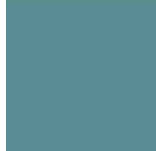
Original Color

24.8890, 0.2279, 0.3406



Protanomaly

23.3142, 0.2630, 0.3327



Deuteranomaly

23.1318, 0.2562, 0.3103



Tritanomaly

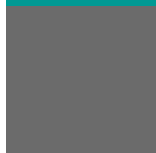
25.0502, 0.2246, 0.3192

Monochromacy



Original Color

24.8890, 0.2279, 0.3406



Achromatopsia

14.7027, 0.3127, 0.3290



Achromatomaly

17.0494, 0.2561, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8890, 0.2279, 0.3406 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, 147)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 147)  
}
```

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, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 147) }
```

Border

The CSS property to change the border of an element to Yxy 24.8890, 0.2279, 0.3406 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, 147) }
```

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

```
.border{ border-color:rgb(0, 153, 147) }
```

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, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 147);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8890, 0.2279, 0.3406 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, 147) }
```

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

```
.background{ background-color: rgb(0, 153,  
147) }
```

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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