

Converting Colors

$Yxy(25.9610, 0.1750, 0.4041)$

Have a look what the booklet for
Yxy(25.9610, 0.1750, 0.4041)
contains.

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Color

Yxy(29.7265, 0.2429, 0.3945)

Conversions

Conversions Part 1

Format	Color
Hex	00A886
RGB	0, 168, 134
RGB Percent	0%, 66%, 53%
CMY	1.0000, 0.3411, 0.4746
CMYK	1.00, 0.00, 0.20, 0.34
HSL	168°, 100%, 33%
HSV	168°, 100%, 66%
XYZ	18.3031, 29.7265, 27.3228
YIQ	113.8920, -89.2140, -46.1900

Conversions

Conversions Part 2

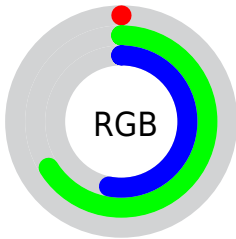
Format	Color
RYB	0, 93, 168
Decimal	43142
CIELab	61.42, -44.96, 7.33
CIELCh	61, 45.555, 170.742
Yxy	29.7265, 0.2429, 0.3945
Android (android.graphics.Color)	4278233222 (0xFF00A886)
YUV	113.8920, 9.9132, -99.8833
Hunter-Lab	54.5220, -35.4909, 8.4533

Details

The Yxy color **29.7265, 0.2429, 0.3945** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.4412, 0.6053, 0.3108**, and the grayscale version is **16.7838, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.1745, 0.2574, 0.3804**, and **12.9016, 0.2486, 0.4148** is the 20% darker color. If you saturate the color by 10%, you get **29.7289, 0.2429, 0.3945**, and if you desaturate by 10%, it is **29.9427, 0.2428, 0.3872**.

Distribution



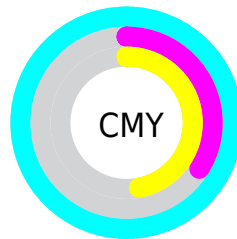
- Red (0%)
- Green (66%)
- Blue (53%)



- Red (0%)
- Yellow (36%)
- Blue (66%)



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (34%)



- Cyan (100%)
- Magenta (34%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.7265, 0.2429, 0.3945 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 29.7265, 0.2429, 0.3945 by changing the saturation by 10% instead.

 29.7265, 0.2429,
0.3945


 29.7265, 0.2429,
0.3945


300.6275, 0.2807,
0.3582


 19.6311, 0.2324,
0.4049


 59.2294, 0.2574,
0.3804

 12.1272, 0.2184,
0.4192


 79.4056, 0.2626,
0.3753

 6.8303, 0.1985,
0.4400


 103.7110, 0.2669,
0.3712

 3.3562, 0.1686,
0.4728

 132.5298, 0.2705,
0.3678

 1.3204, 0.0454,
0.5771

 166.2464, 0.2736,
0.3648

 0.1569, 0.0000,
1.0000

 205.2453, 0.2763,

 0.0000, 0.0000,

0.3623

0.0000

249.9109, 0.2787,
0.3601

■ 29.7265, 0.2429,
0.3945

■ 29.7265, 0.2429,
0.3945

■ 29.7289, 0.2429,
0.3945

■ 29.9427, 0.2428,
0.3872

■ 30.2582, 0.2441,
0.3800

■ 30.7159, 0.2474,
0.3727

■ 31.3338, 0.2525,
0.3655

■ 32.1272, 0.2594,
0.3585

■ 33.1098, 0.2679,
0.3517

■ 34.2937, 0.2777,
0.3454

■ 35.6901, 0.2887,
0.3394

■ 37.3093, 0.3004,
0.3340

Harmonies

Analogous

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



29.7265, 0.3084, 0.4536



29.7265, 0.2429, 0.3945



29.7265, 0.1994, 0.3160

Triad

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



29.7265, 0.2429, 0.3945



29.7265, 0.2383, 0.2176



29.7265, 0.4595, 0.3770

Complementary

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



29.7265, 0.2429, 0.3945



8.4412, 0.6053, 0.3108

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.



29.7265, 0.4393, 0.3223



29.7265, 0.2429, 0.3945



29.7265, 0.3029, 0.2357

Square

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



29.7265, 0.2429, 0.3945



29.7265, 0.1980, 0.2227



29.7265, 0.3787, 0.2727



29.7265, 0.4350, 0.4288

Rectangle

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



29.7265, 0.2429, 0.3945



29.7265, 0.1864, 0.2721



29.7265, 0.3787, 0.2727



29.7265, 0.4580, 0.3587

Sweetspot

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



29.7289, 0.2429, 0.3945



62.0970, 0.2771, 0.3457



28.3903, 0.3082, 0.5935



13.3376, 0.2731, 0.3482



84.8088, 0.3127, 0.3290



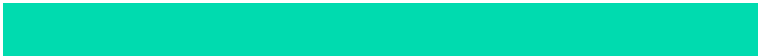
15.4872, 0.3127, 0.3290

Same Dimension

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



29.7289, 0.2429, 0.3945



53.9108, 0.2433, 0.3958



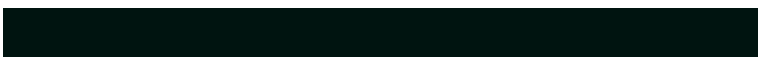
16.3580, 0.1986, 0.2348



8.5056, 0.3013, 0.3336



22.4553, 0.2427, 0.3938



0.5528, 0.2361, 0.3699

Inverse Universe

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



8.4412, 0.6053, 0.3108



15.2915, 0.6092, 0.3129



10.4071, 0.5990, 0.3626



7.5662, 0.3255, 0.3244



6.3800, 0.6030, 0.3096



0.1620, 0.5197, 0.2637

Previews

White Background



This preview shows how the Yxy color 29.7265, 0.2429, 0.3945 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 29.7265, 0.2429, 0.3945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

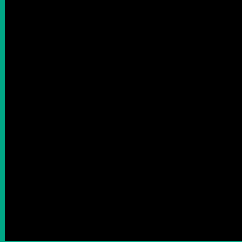
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.7265, 0.2429, 0.3945

Background



This preview shows how black text looks on a background with the Yxy color 29.7265, 0.2429, 0.3945.

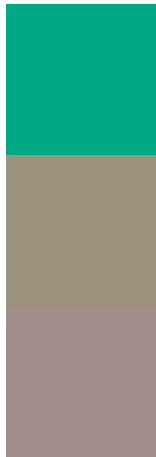


This preview shows how white text looks on a background with the Yxy color 29.7265, 0.2429, 0.3945.

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

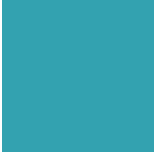
29.7265, 0.2429, 0.3945

Protanopia

29.2661, 0.3452, 0.3671

Deuteranopia

29.1320, 0.3388, 0.3321



Tritanopia

29.6791, 0.2270, 0.3046

Trichromacy



Original Color

29.7265, 0.2429, 0.3945



Protanomaly

27.6276, 0.2849, 0.3803



Deuteranomaly

26.9113, 0.2797, 0.3523



Tritanomaly

29.4312, 0.2306, 0.3342

Monochromacy



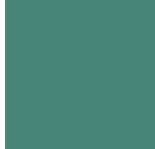
Original Color

29.7265, 0.2429, 0.3945



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

19.8471, 0.2643, 0.3562

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7265, 0.2429, 0.3945 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, 168, 134)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 134)  
}
```

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, 168, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 134) }
```

Border

The CSS property to change the border of an element to Yxy 29.7265, 0.2429, 0.3945 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, 168, 134) }
```

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

```
.border{ border-color:rgb(0, 168, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 168, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 134);  
box-shadow:4px 4px 4px 4px rgb(0, 168,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7265, 0.2429, 0.3945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 168, 134) }
```

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

```
.background{ background-color: rgb(0, 168,  
134) }
```

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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