

Converting Colors

$Yxy(27.0383, 0.2072, 0.3706)$

Have a look what the booklet for
Yxy(27.0383, 0.2072, 0.3706)
contains.

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Color

$\text{Yxy}(28.5645, 0.2353, 0.3671)$

Conversions

Conversions Part 1

Format	Color
Hex	00A490
RGB	0, 164, 144
RGB Percent	0%, 64%, 56%
CMY	1.0000, 0.3568, 0.4353
CMYK	1.00, 0.00, 0.12, 0.36
HSL	173°, 100%, 32%
HSV	173°, 100%, 64%
XYZ	18.3090, 28.5645, 30.9377
YIQ	112.6840, -91.3240, -40.9880

Conversions

Conversions Part 2

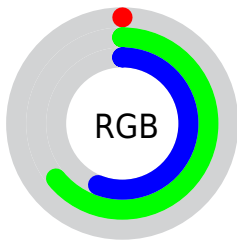
Format	Color
RYB	0, 87, 164
Decimal	42128
CIELab	60.40, -40.52, 0.23
CIELCh	60, 40.525, 179.672
Yxy	28.5645, 0.2353, 0.3671
Android (android.graphics.Color)	4278232208 (0xFF00A490)
YUV	112.6840, 15.4388, -98.8239
Hunter-Lab	53.4458, -32.3811, 3.0913

Details

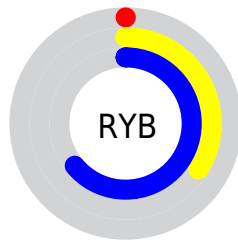
The Yxy color **28.5645, 0.2353, 0.3671** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **7.9434, 0.6234, 0.3208**, and the grayscale version is **16.3897, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.5389, 0.2510, 0.3593**, and **12.1770, 0.2377, 0.3757** is the 20% darker color. If you saturate the color by 10%, you get **28.5662, 0.2353, 0.3671**, and if you desaturate by 10%, it is **28.7416, 0.2360, 0.3630**.

Distribution



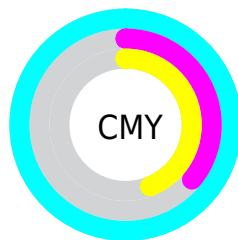
- Red (0%)
- Green (64%)
- Blue (56%)



- Red (0%)
- Yellow (34%)
- Blue (64%)



- Cyan (100%)
- Magenta (0%)
- Yellow (12%)
- Black (36%)




- Cyan (100%)
- Magenta (36%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.5645, 0.2353, 0.3671 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 28.5645, 0.2353, 0.3671 by changing the saturation by 10% instead.

 28.5645, 0.2353,
0.3671


 28.5645, 0.2353,
0.3671


295.1546, 0.2768,
0.3467

 18.7516, 0.2240,
0.3727


 57.3844, 0.2510,
0.3593

 11.4909, 0.2090,
0.3801

 77.1603, 0.2567,
0.3565

 6.3981, 0.1881,
0.3904


 101.0259, 0.2615,
0.3542

 3.0886, 0.1573,
0.4058

 129.3657, 0.2655,
0.3522

 1.1782, 0.0411,
0.4628

 162.5641, 0.2689,
0.3505

 0.0438, 0.0000,
0.5821

 201.0054, 0.2719,

 0.0000, 0.0000,

0.3491

0.0000

245.0741, 0.2745,
0.3478

■ 28.5645, 0.2353,
0.3671

■ 28.5645, 0.2353,
0.3671

■ 28.5662, 0.2353,
0.3671

■ 28.7416, 0.2360,
0.3630

■ 29.0107, 0.2380,
0.3588

■ 29.4125, 0.2418,
0.3546

■ 29.9640, 0.2475,
0.3504

■ 30.6795, 0.2550,
0.3464

■ 31.5719, 0.2642,
0.3424

■ 32.6525, 0.2748,
0.3387

■ 33.9320, 0.2866,
0.3352

■ 35.4200, 0.2993,
0.3320

Harmonies

Analogous

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



28.5645, 0.2907, 0.4283



28.5645, 0.2353, 0.3671



28.5645, 0.2025, 0.2991

Triad

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



28.5645, 0.2353, 0.3671



28.5645, 0.2608, 0.2298



28.5645, 0.4431, 0.3891

Complementary

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



28.5645, 0.2353, 0.3671



7.9434, 0.6234, 0.3208

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.



28.5645, 0.4366, 0.3387



28.5645, 0.2353, 0.3671



28.5645, 0.3244, 0.2521

Square

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



28.5645, 0.2353, 0.3671



28.5645, 0.2164, 0.2281



28.5645, 0.3913, 0.2906



28.5645, 0.4117, 0.4322

Rectangle

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



28.5645, 0.2353, 0.3671



28.5645, 0.1955, 0.2639



28.5645, 0.3913, 0.2906



28.5645, 0.4456, 0.3725

Sweetspot

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



28.5662, 0.2353, 0.3671



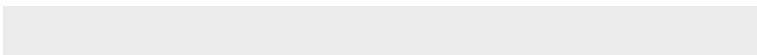
59.1468, 0.2742, 0.3389



26.7213, 0.3039, 0.5969



12.7521, 0.2698, 0.3404



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



28.5662, 0.2353, 0.3671



51.8290, 0.2355, 0.3679



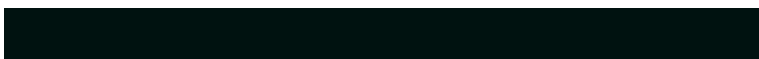
12.5548, 0.1904, 0.2054



7.9963, 0.3003, 0.3317



21.9067, 0.2352, 0.3667



0.4642, 0.2310, 0.3516

Inverse Universe

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



7.9434, 0.6234, 0.3208



14.4013, 0.6263, 0.3224



11.1388, 0.5773, 0.3798



7.0994, 0.3267, 0.3263



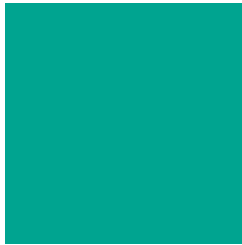
6.0943, 0.6217, 0.3199



0.1319, 0.5563, 0.2838

Previews

White Background



This preview shows how the Yxy color 28.5645, 0.2353, 0.3671 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 28.5645, 0.2353, 0.3671 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

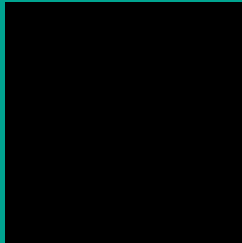
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.5645, 0.2353, 0.3671

Background



This preview shows how black text looks on a background with the Yxy color 28.5645, 0.2353, 0.3671.

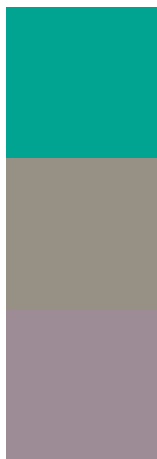


This preview shows how white text looks on a background with the Yxy color 28.5645, 0.2353, 0.3671.

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

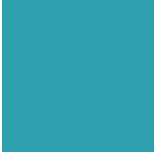
28.5645, 0.2353, 0.3671

Protanopia

28.1240, 0.3302, 0.3467

Deuteranopia

28.0942, 0.3220, 0.3152



Tritanopia

28.6942, 0.2255, 0.3059

Trichromacy



Original Color

28.5645, 0.2353, 0.3671

Protanomaly

26.3723, 0.2730, 0.3547

Deuteranomaly

26.3108, 0.2688, 0.3325

Tritanomaly

28.3452, 0.2277, 0.3269

Monochromacy



Original Color

28.5645, 0.2353, 0.3671

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

19.3355, 0.2604, 0.3457

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5645, 0.2353, 0.3671 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, 164, 144)` looks like.

```
.text, #text, p{  
  color:rgb(0, 164, 144)  
}
```

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, 164, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 164, 144) }
```

Border

The CSS property to change the border of an element to Yxy 28.5645, 0.2353, 0.3671 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, 164, 144) }
```

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

```
.border{ border-color:rgb(0, 164, 144) }
```

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

Here you see how a box with a 4 pixel rgb(0, 164, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 164, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 164, 144);  
box-shadow:4px 4px 4px 4px rgb(0, 164,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5645, 0.2353, 0.3671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 164, 144) }
```

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

```
.background{ background-color: rgb(0, 164,  
144) }
```

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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