

Converting Colors

$Yxy(25.1829, 0.1859, 0.3637)$

Have a look what the booklet for
Yxy(25.1829, 0.1859, 0.3637)
contains.

Yxy(27.9160, 0.2332, 0.3595)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.9160, 0.2332, 0.3595)

Conversions

Conversions Part 1

Format	Color
Hex	00A292
RGB	0, 162, 146
RGB Percent	0%, 64%, 57%
CMY	1.0000, 0.3647, 0.4274
CMYK	1.00, 0.00, 0.10, 0.36
HSL	174°, 100%, 32%
HSV	174°, 100%, 64%
XYZ	18.1085, 27.9160, 31.6278
YIQ	111.7380, -91.4160, -39.3200

Conversions

Conversions Part 2

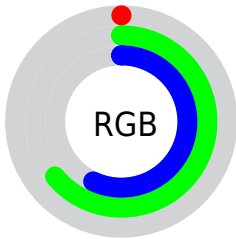
Format	Color
RYB	0, 85, 162
Decimal	41618
CIELab	59.81, -39.07, -1.74
CIELCh	60, 39.110, 182.554
Yxy	27.9160, 0.2332, 0.3595
Android (android.graphics.Color)	4278231698 (0xFF00A292)
YUV	111.7380, 16.8912, -97.9942
Hunter-Lab	52.8356, -31.2844, 1.4935

Details

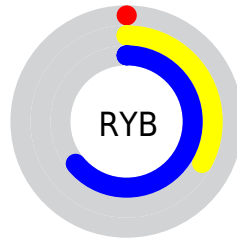
The Yxy color **27.9160, 0.2332, 0.3595** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **7.7194, 0.6273, 0.3229**, and the grayscale version is **16.0937, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.5882, 0.2495, 0.3538**, and **11.7818, 0.2347, 0.3647** is the 20% darker color. If you saturate the color by 10%, you get **27.9169, 0.2332, 0.3595**, and if you desaturate by 10%, it is **28.0792, 0.2341, 0.3562**.

Distribution



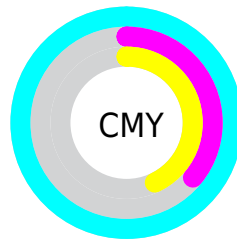
- Red (0%)
- Green (64%)
- Blue (57%)



- Red (0%)
- Yellow (33%)
- Blue (64%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (36%)





- Cyan (100%)
- Magenta (36%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.9160, 0.2332, 0.3595 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 27.9160, 0.2332, 0.3595 by changing the saturation by 10% instead.


 27.9160, 0.2332,
0.3595


 27.9160, 0.2332,
0.3595


292.0653, 0.2758,
0.3434


 18.2623, 0.2217,
0.3638


 56.3503, 0.2493,
0.3535

 11.1385, 0.2063,
0.3693


 75.8997, 0.2552,
0.3513


 6.1601, 0.1849,
0.3769

 99.5166, 0.2601,
0.3494

 2.9427, 0.1535,
0.3876

 127.5852, 0.2642,
0.3479

 1.1019, 0.0312,
0.4361

 160.4900, 0.2677,
0.3465

 0.0000, 0.0000,
0.0000

 198.6153, 0.2708,

0.3453

242.3456, 0.2734,
0.3443

■ 27.9160, 0.2332,
0.3595

■ 27.9160, 0.2332,
0.3595

■ 27.9169, 0.2332,
0.3595

■ 28.0792, 0.2341,
0.3562

■ 28.3317, 0.2363,
0.3529

■ 28.7129, 0.2403,
0.3495

■ 29.2393, 0.2462,
0.3462

■ 29.9247, 0.2538,
0.3430

■ 30.7816, 0.2632,
0.3398

■ 31.8211, 0.2740,
0.3368

■ 33.0534, 0.2861,
0.3340

■ 34.4879, 0.2991,
0.3314

Harmonies

Analogous

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



27.9160, 0.2856, 0.4208



27.9160, 0.2332, 0.3595



27.9160, 0.2035, 0.2946

Triad

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



27.9160, 0.2332, 0.3595



27.9160, 0.2675, 0.2334



27.9160, 0.4382, 0.3925

Complementary

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



27.9160, 0.2332, 0.3595



7.7194, 0.6273, 0.3229

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.



27.9160, 0.4356, 0.3435



27.9160, 0.2332, 0.3595



27.9160, 0.3307, 0.2570

Square

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



27.9160, 0.2332, 0.3595



27.9160, 0.2219, 0.2298



27.9160, 0.3947, 0.2959



27.9160, 0.4048, 0.4328

Rectangle

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



27.9160, 0.2332, 0.3595



27.9160, 0.1983, 0.2617



27.9160, 0.3947, 0.2959



27.9160, 0.4418, 0.3765

Sweetspot

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



27.9171, 0.2332, 0.3595



57.6486, 0.2733, 0.3370



25.9537, 0.3027, 0.5979



12.7700, 0.2689, 0.3382



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.



27.9171, 0.2332, 0.3595



50.6624, 0.2334, 0.3601



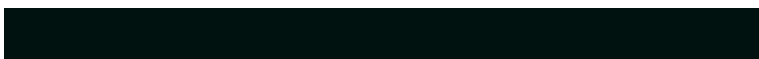
11.1964, 0.1872, 0.1938



7.9991, 0.3000, 0.3312



21.9964, 0.2331, 0.3592



0.4654, 0.2298, 0.3472

Inverse Universe

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



7.7194, 0.6273, 0.3229



13.9989, 0.6299, 0.3244



11.4403, 0.5680, 0.3872



7.0968, 0.3270, 0.3268



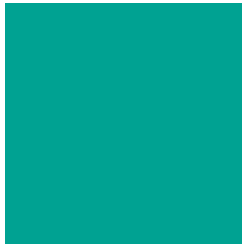
6.0843, 0.6259, 0.3222



0.1310, 0.5699, 0.2913

Previews

White Background



This preview shows how the Yxy color 27.9160, 0.2332, 0.3595 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 27.9160, 0.2332, 0.3595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

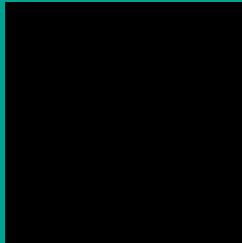
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.9160, 0.2332, 0.3595

Background



This preview shows how black text looks on a background with the Yxy color 27.9160, 0.2332, 0.3595.

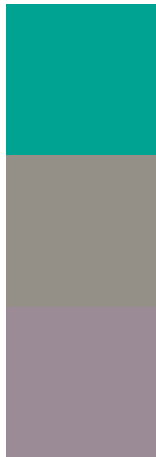


This preview shows how white text looks on a background with the Yxy color 27.9160, 0.2332, 0.3595.

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

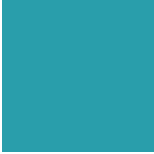
27.9160, 0.2332, 0.3595

Protanopia

27.6901, 0.3261, 0.3420

Deuteranopia

27.5696, 0.3168, 0.3104



Tritanopia

27.8654, 0.2247, 0.3056

Trichromacy



Original Color

27.9160, 0.2332, 0.3595



Protanomaly

26.0565, 0.2704, 0.3491



Deuteranomaly

25.6340, 0.2651, 0.3253



Tritanomaly

27.6245, 0.2264, 0.3232

Monochromacy



Original Color

27.9160, 0.2332, 0.3595



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

18.7601, 0.2589, 0.3416

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9160, 0.2332, 0.3595 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, 162, 146)` looks like.

```
.text, #text, p{  
    color:rgb(0, 162, 146)  
}
```

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, 162, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 162, 146) }
```

Border

The CSS property to change the border of an element to Yxy 27.9160, 0.2332, 0.3595 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, 162, 146) }
```

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

```
.border{ border-color:rgb(0, 162, 146) }
```

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

Here you see how a box with a 4 pixel rgb(0, 162, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 162, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 162, 146);  
box-shadow:4px 4px 4px 4px rgb(0, 162,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9160, 0.2332, 0.3595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 162, 146) }
```

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

```
.background{ background-color: rgb(0, 162,  
146) }
```

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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