

Converting Colors

$Yxy(24.9751, 0.1543, 0.3411)$

Have a look what the booklet for
Yxy(24.9751, 0.1543, 0.3411)
contains.

Yxy(29.4135, 0.2277, 0.3398)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.4135, 0.2277, 0.3398)

Conversions

Conversions Part 1

Format	Color
Hex	00A59F
RGB	0, 165, 159
RGB Percent	0%, 65%, 62%
CMY	1.0000, 0.3529, 0.3765
CMYK	1.00, 0.00, 0.04, 0.35
HSL	178°, 100%, 32%
HSV	178°, 100%, 65%
XYZ	19.7100, 29.4135, 37.4377
YIQ	114.9810, -96.4140, -36.8460

Conversions

Conversions Part 2

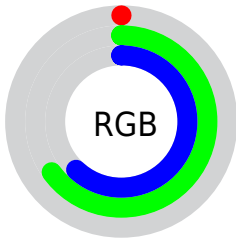
Format	Color
RYB	0, 84, 165
Decimal	42399
CIELab	61.14, -36.57, -7.11
CIELCh	61, 37.254, 190.995
Yxy	29.4135, 0.2277, 0.3398
Android (android.graphics.Color)	4278232479 (0xFF00A59F)
YUV	114.9810, 21.7014, -100.8383
Hunter-Lab	54.2342, -30.0388, -2.9638

Details

The Yxy color **29.4135, 0.2277, 0.3398** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.0134, 0.6357, 0.3275**, and the grayscale version is **17.0946, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.9476, 0.2445, 0.3382**, and **12.6711, 0.2276, 0.3392** is the 20% darker color. If you saturate the color by 10%, you get **29.4164, 0.2277, 0.3398**, and if you desaturate by 10%, it is **29.5520, 0.2291, 0.3386**.

Distribution



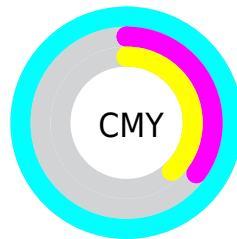
- Red (0%)
- Green (65%)
- Blue (62%)



- Red (0%)
- Yellow (33%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (35%)





- Cyan (100%)
- Magenta (35%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.4135, 0.2277, 0.3398 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 29.4135, 0.2277, 0.3398 by changing the saturation by 10% instead.


 29.4135, 0.2277,
0.3398


 29.4135, 0.2277,
0.3398


299.1610, 0.2724,
0.3351


 19.3938, 0.2159,
0.3406


 58.7334, 0.2444,
0.3383


 11.9552, 0.2004,
0.3415


 78.8025, 0.2506,
0.3377

 6.7132, 0.1792,
0.3420


 102.9901, 0.2557,
0.3371

 3.2834, 0.1490,
0.3414

 131.6807, 0.2601,
0.3366

 1.2814, 0.0758,
0.3469

 165.2587, 0.2638,
0.3362

 0.1267, 0.0000,
0.1664

 204.1085, 0.2671,

 0.0000, 0.0000,

0.3358

0.0000

248.6145, 0.2699,
0.3354

■ 29.4135, 0.2277,
0.3398

■ 29.4135, 0.2277,
0.3398

■ 29.4164, 0.2277,
0.3398

■ 29.5520, 0.2291,
0.3386

■ 29.7818, 0.2317,
0.3375

■ 30.1451, 0.2361,
0.3363

■ 30.6591, 0.2424,
0.3351

■ 31.3386, 0.2505,
0.3340

■ 32.1964, 0.2603,
0.3329

■ 33.2443, 0.2717,
0.3318

■ 34.4928, 0.2844,
0.3308

■ 35.9518, 0.2982,
0.3299

Harmonies

Analogous

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



29.4135, 0.2721, 0.4006



29.4135, 0.2277, 0.3398



29.4135, 0.2063, 0.2829

Triad

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



29.4135, 0.2277, 0.3398



29.4135, 0.2860, 0.2432



29.4135, 0.4249, 0.4014

Complementary

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



29.4135, 0.2277, 0.3398



8.0134, 0.6357, 0.3275

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.



29.4135, 0.4323, 0.3565



29.4135, 0.2277, 0.3398



29.4135, 0.3474, 0.2702

Square

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



29.4135, 0.2277, 0.3398



29.4135, 0.2372, 0.2342



29.4135, 0.4033, 0.3102



29.4135, 0.3863, 0.4337

Rectangle

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



29.4135, 0.2277, 0.3398



29.4135, 0.2059, 0.2561



29.4135, 0.4033, 0.3102



29.4135, 0.4313, 0.3872

Sweetspot

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



29.4164, 0.2277, 0.3398



59.4191, 0.2710, 0.3318



26.9666, 0.3012, 0.5990



12.8191, 0.2663, 0.3323



82.7571, 0.3127, 0.3290



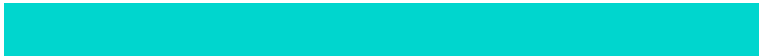
14.7319, 0.3127, 0.3290

Same Dimension

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



29.4164, 0.2277, 0.3398



52.6700, 0.2278, 0.3400



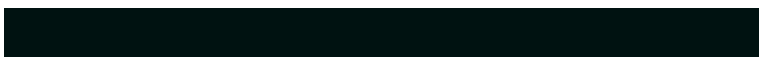
10.1572, 0.1823, 0.1761



8.0068, 0.2992, 0.3298



22.2530, 0.2277, 0.3397



0.4689, 0.2265, 0.3354

Inverse Universe

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



8.0134, 0.6357, 0.3275



14.3434, 0.6369, 0.3282



12.9318, 0.5540, 0.3983



7.0899, 0.3279, 0.3282



6.0632, 0.6350, 0.3272



0.1286, 0.6116, 0.3143

Previews

White Background



This preview shows how the Yxy color 29.4135, 0.2277, 0.3398 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 29.4135, 0.2277, 0.3398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

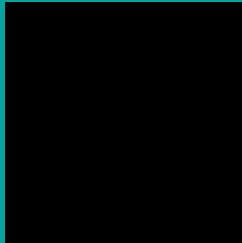
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.4135, 0.2277, 0.3398

Background



This preview shows how black text looks on a background with the Yxy color 29.4135, 0.2277, 0.3398.

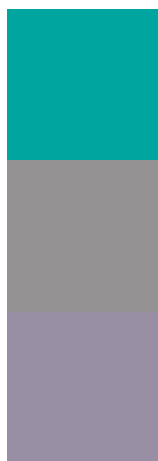


This preview shows how white text looks on a background with the Yxy color 29.4135, 0.2277, 0.3398.

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

29.4135, 0.2277, 0.3398

Protanopia

29.0854, 0.3139, 0.3259

Deuteranopia

29.0976, 0.3029, 0.2971



Tritanopia

29.3326, 0.2225, 0.3043

Trichromacy



Original Color

29.4135, 0.2277, 0.3398



Protanomaly

27.4824, 0.2620, 0.3306



Deuteranomaly

27.2832, 0.2557, 0.3098



Tritanomaly

29.2672, 0.2235, 0.3163

Monochromacy



Original Color

29.4135, 0.2277, 0.3398



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

19.8302, 0.2557, 0.3329

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.4135, 0.2277, 0.3398 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, 165, 159)` looks like.

```
.text, #text, p{  
    color:rgb(0, 165, 159)  
}
```

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, 165, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 165, 159) }
```

Border

The CSS property to change the border of an element to Yxy 29.4135, 0.2277, 0.3398 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, 165, 159) }
```

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

```
.border{ border-color:rgb(0, 165, 159) }
```

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

Here you see how a box with a 4 pixel rgb(0, 165, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 165, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 165, 159);  
box-shadow:4px 4px 4px 4px rgb(0, 165,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 29.4135, 0.2277, 0.3398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 165, 159) }
```

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

```
.background{ background-color: rgb(0, 165,  
159) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor