

Converting Colors

$Yxy(28.7823, 0.2168, 0.3564)$

Have a look what the booklet for
Yxy(28.7823, 0.2168, 0.3564)
contains.

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Color

Yxy(29.9044, 0.2324, 0.3567)

Conversions

Conversions Part 1

Format	Color
Hex	00A798
RGB	0, 167, 152
RGB Percent	0%, 65%, 60%
CMY	1.0000, 0.3451, 0.4039
CMYK	1.00, 0.00, 0.09, 0.35
HSL	175°, 100%, 33%
HSV	175°, 100%, 65%
XYZ	19.4836, 29.9044, 34.4483
YIQ	115.3570, -94.7170, -40.0690

Conversions

Conversions Part 2

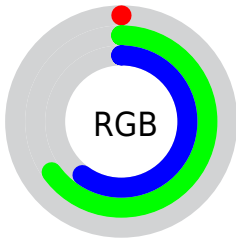
Format	Color
RYB	0, 87, 167
Decimal	42904
CIELab	61.57, -39.55, -2.54
CIElCh	62, 39.629, 183.669
Yxy	29.9044, 0.2324, 0.3567
Android (android.graphics.Color)	4278232984 (0xFF00A798)
YUV	115.3570, 18.0650, -101.1681
Hunter-Lab	54.6849, -32.1013, 0.9302

Details

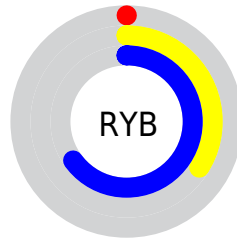
The Yxy color **29.9044, 0.2324, 0.3567** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.2508, 0.6290, 0.3239**, and the grayscale version is **17.2251, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5587, 0.2484, 0.3518**, and **12.9742, 0.2342, 0.3633** is the 20% darker color. If you saturate the color by 10%, you get **29.9069, 0.2324, 0.3567**, and if you desaturate by 10%, it is **30.0729, 0.2333, 0.3537**.

Distribution



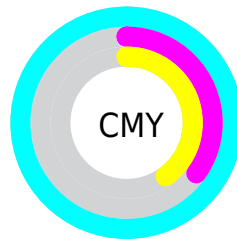
- Red (0%)
- Green (65%)
- Blue (60%)



- Red (0%)
- Yellow (34%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (35%)



- Cyan (100%)
- Magenta (35%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.9044, 0.2324, 0.3567 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 29.9044, 0.2324, 0.3567 by changing the saturation by 10% instead.


 29.9044, 0.2324,
0.3567

 29.9044, 0.2324,
0.3567


 301.4586, 0.2749,
0.3424


 19.7660, 0.2211,
0.3604


 59.5110, 0.2484,
0.3514


 12.2251, 0.2061,
0.3651


 79.7479, 0.2542,
0.3495


 6.8972, 0.1856,
0.3714


 104.1199, 0.2591,
0.3478

 3.3979, 0.1559,
0.3799

 133.0113, 0.2632,
0.3464

 1.3428, 0.0763,
0.4064

 166.8065, 0.2667,
0.3452

 0.1740, 0.0000,
0.3218

 205.8898, 0.2698,

 0.0000, 0.0000,

0.3442

0.0000

250.6457, 0.2725,
0.3432

■ 29.9044, 0.2324,
0.3567

■ 29.9044, 0.2324,
0.3567

■ 29.9069, 0.2324,
0.3567

■ 30.0729, 0.2333,
0.3537

■ 30.3366, 0.2356,
0.3507

■ 30.7380, 0.2396,
0.3477

■ 31.2951, 0.2455,
0.3447

■ 32.0227, 0.2533,
0.3417

■ 32.9344, 0.2627,
0.3388

■ 34.0420, 0.2736,
0.3361

■ 35.3566, 0.2858,
0.3336

■ 36.8883, 0.2989,
0.3312

Harmonies

Analogous

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



29.9044, 0.2837, 0.4180



29.9044, 0.2324, 0.3567



29.9044, 0.2039, 0.2929

Triad

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



29.9044, 0.2324, 0.3567



29.9044, 0.2701, 0.2348



29.9044, 0.4364, 0.3937

Complementary

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



29.9044, 0.2324, 0.3567



8.2508, 0.6290, 0.3239

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.



29.9044, 0.4352, 0.3453



29.9044, 0.2324, 0.3567



29.9044, 0.3330, 0.2588

Square

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



29.9044, 0.2324, 0.3567



29.9044, 0.2240, 0.2304



29.9044, 0.3959, 0.2979



29.9044, 0.4023, 0.4330

Rectangle

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



29.9044, 0.2324, 0.3567



29.9044, 0.1993, 0.2609



29.9044, 0.3959, 0.2979



29.9044, 0.4404, 0.3780

Sweetspot

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



29.9069, 0.2324, 0.3567



60.8442, 0.2730, 0.3363



27.7565, 0.3026, 0.5979



13.4279, 0.2684, 0.3374



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.



29.9069, 0.2324, 0.3567



53.5404, 0.2326, 0.3572



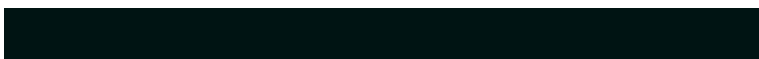
11.9439, 0.1871, 0.1934



8.5203, 0.2999, 0.3310



22.8866, 0.2323, 0.3564



0.5601, 0.2296, 0.3465

Inverse Universe

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



8.2508, 0.6290, 0.3239



14.7621, 0.6313, 0.3251



12.2072, 0.5684, 0.3869



7.5529, 0.3272, 0.3270



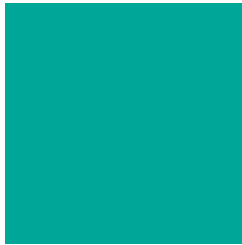
6.3164, 0.6276, 0.3231



0.1570, 0.5782, 0.2959

Previews

White Background



This preview shows how the Yxy color 29.9044, 0.2324, 0.3567 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 29.9044, 0.2324, 0.3567 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

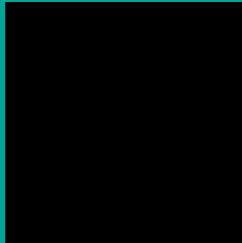
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.9044, 0.2324, 0.3567

Background



This preview shows how black text looks on a background with the Yxy color 29.9044, 0.2324, 0.3567.

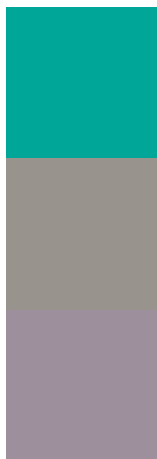


This preview shows how white text looks on a background with the Yxy color 29.9044, 0.2324, 0.3567.

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

29.9044, 0.2324, 0.3567

Protanopia

29.4659, 0.3238, 0.3385

Deuteranopia

29.3483, 0.3148, 0.3078



Tritanopia

29.8401, 0.2240, 0.3045

Trichromacy



Original Color

29.9044, 0.2324, 0.3567



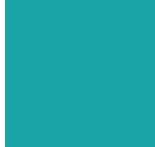
Protanomaly

27.6969, 0.2690, 0.3450



Deuteranomaly

27.5897, 0.2641, 0.3236



Tritanomaly

29.5977, 0.2257, 0.3216

Monochromacy



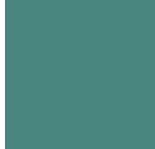
Original Color

29.9044, 0.2324, 0.3567



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

20.0252, 0.2585, 0.3412

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9044, 0.2324, 0.3567 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, 167, 152)` looks like.

```
.text, #text, p{  
  color:rgb(0, 167, 152)  
}
```

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, 167, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 167, 152) }
```

Border

The CSS property to change the border of an element to Yxy 29.9044, 0.2324, 0.3567 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, 167, 152) }
```

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

```
.border{ border-color:rgb(0, 167, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 167, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 167, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 167, 152);  
box-shadow:4px 4px 4px 4px rgb(0, 167,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9044, 0.2324, 0.3567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 167, 152) }
```

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

```
.background{ background-color: rgb(0, 167,  
152) }
```

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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