

Converting Colors

$Yxy(28.4117, 0.2321, 0.3542)$

Have a look what the booklet for
Yxy(28.4117, 0.2321, 0.3542)
contains.

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Color

Yxy(28.4222, 0.2319, 0.3534)

Conversions

Conversions Part 1

Format	Color
Hex	04A396
RGB	4, 163, 150
RGB Percent	2%, 64%, 59%
CMY	0.9846, 0.3608, 0.4118
CMYK	0.98, 0.00, 0.08, 0.36
HSL	175°, 95%, 33%
HSV	175°, 98%, 64%
XYZ	18.6506, 28.4222, 33.3523
YIQ	113.9770, -90.5910, -37.7510

Conversions

Conversions Part 2

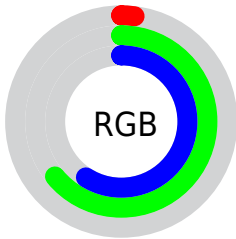
Format	Color
RYB	4, 87, 163
Decimal	304022
CIELab	60.27, -38.19, -3.32
CIELCh	60, 38.337, 184.971
Yxy	28.4222, 0.2319, 0.3534
Android (android.graphics.Color)	4278494102 (0xFF04A396)
YUV	113.9770, 17.7593, -96.4498
Hunter-Lab	53.3125, -30.8513, 0.2269

Details

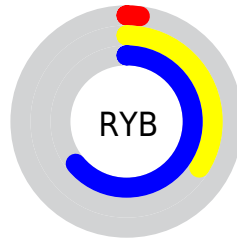
The Yxy color **28.4222, 0.2319, 0.3534** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **7.9125, 0.6246, 0.3241**, and the grayscale version is **16.7790, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.3498, 0.2482, 0.3494**, and **12.0527, 0.2330, 0.3587** is the 20% darker color. If you saturate the color by 10%, you get **28.3877, 0.2317, 0.3541**, and if you desaturate by 10%, it is **28.5922, 0.2331, 0.3507**.

Distribution



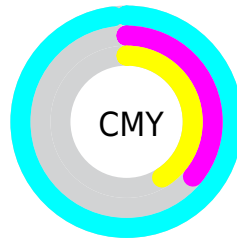
- Red (2%)
- Green (64%)
- Blue (59%)



- Red (2%)
- Yellow (34%)
- Blue (64%)



- Cyan (98%)
- Magenta (0%)
- Yellow (8%)
- Black (36%)





- Cyan (98%)
- Magenta (36%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.4222, 0.2319, 0.3534 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 28.4222, 0.2319, 0.3534 by changing the saturation by 10% instead.


 28.4222, 0.2319,
0.3534


 28.4222, 0.2319,
0.3534


 294.4789, 0.2749,
0.3409


 18.6442, 0.2203,
0.3566


 57.1578, 0.2482,
0.3488


 11.4134, 0.2050,
0.3606


 76.8842, 0.2541,
0.3471


 6.3456, 0.1838,
0.3659


 100.6954, 0.2590,
0.3456

 3.0564, 0.1529,
0.3729

 128.9759, 0.2632,
0.3444

 1.1612, 0.0516,
0.4042

 162.1102, 0.2667,
0.3433

 0.0297, 0.0000,
0.1009

 200.4825, 0.2698,

 0.0000, 0.0000,

0.3424

0.0000

244.4772, 0.2725,
0.3416

■ 28.4222, 0.2319,
0.3534

■ 28.4222, 0.2319,
0.3534

■ 28.3877, 0.2317,
0.3541

■ 28.5922, 0.2331,
0.3507

■ 28.8694, 0.2358,
0.3480

■ 29.2811, 0.2404,
0.3452

■ 29.8434, 0.2468,
0.3425

■ 30.5701, 0.2550,
0.3399

■ 31.4732, 0.2649,
0.3373

■ 32.5640, 0.2762,
0.3349

■ 33.8525, 0.2887,
0.3326

■ 35.3481, 0.3021,
0.3305

Harmonies

Analogous

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



28.4222, 0.2817, 0.4143



28.4222, 0.2319, 0.3534



28.4222, 0.2048, 0.2912

Triad

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



28.4222, 0.2319, 0.3534



28.4222, 0.2732, 0.2367



28.4222, 0.4337, 0.3949

Complementary

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



28.4222, 0.2319, 0.3534



7.9125, 0.6246, 0.3241

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.



28.4222, 0.4341, 0.3473



28.4222, 0.2319, 0.3534



28.4222, 0.3356, 0.2612

Square

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



28.4222, 0.2319, 0.3534



28.4222, 0.2268, 0.2315



28.4222, 0.3969, 0.3003



28.4222, 0.3990, 0.4327

Rectangle

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



28.4222, 0.2319, 0.3534



28.4222, 0.2010, 0.2603



28.4222, 0.3969, 0.3003



28.4222, 0.4381, 0.3795

Sweetspot

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



28.4233, 0.2319, 0.3534



57.9088, 0.2739, 0.3353



26.3257, 0.3023, 0.5960



12.8242, 0.2692, 0.3363



82.7571, 0.3127, 0.3290



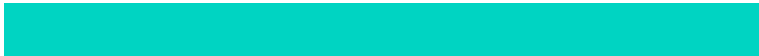
14.7319, 0.3127, 0.3290

Same Dimension

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



28.4233, 0.2319, 0.3534



50.8222, 0.2318, 0.3545



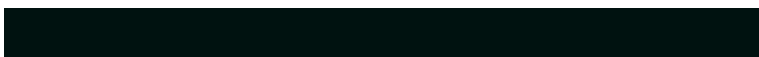
11.1675, 0.1871, 0.1915



8.0012, 0.2998, 0.3308



22.0641, 0.2316, 0.3538



0.4664, 0.2289, 0.3439

Inverse Universe

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



7.9125, 0.6246, 0.3241



13.9866, 0.6322, 0.3256



12.2017, 0.5575, 0.3925



7.0949, 0.3273, 0.3272



6.0779, 0.6286, 0.3237



0.1304, 0.5805, 0.2971

Previews

White Background



This preview shows how the Yxy color 28.4222, 0.2319, 0.3534 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 28.4222, 0.2319, 0.3534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

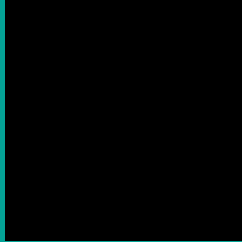
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.4222, 0.2319, 0.3534

Background



This preview shows how black text looks on a background with the Yxy color 28.4222, 0.2319, 0.3534.

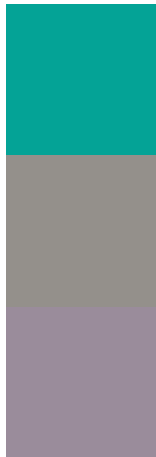


This preview shows how white text looks on a background with the Yxy color 28.4222, 0.2319, 0.3534.

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

28.4222, 0.2319, 0.3534

Protanopia

28.1065, 0.3219, 0.3371

Deuteranopia

27.9927, 0.3127, 0.3059



Tritanopia

28.6099, 0.2244, 0.3058

Trichromacy



Original Color

28.4222, 0.2319, 0.3534

Protanomaly

26.6032, 0.2691, 0.3434

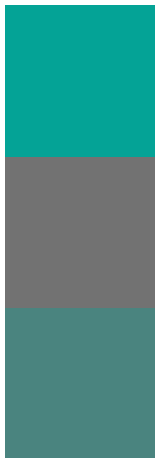
Deuteranomaly

26.1324, 0.2631, 0.3200

Tritanomaly

28.4394, 0.2260, 0.3215

Monochromacy



Original Color

28.4222, 0.2319, 0.3534

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

19.4907, 0.2595, 0.3393

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.4222, 0.2319, 0.3534 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(4, 163, 150)` looks like.

```
.text, #text, p{  
    color:rgb(4, 163, 150)  
}
```

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(4, 163, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 163, 150) }
```

Border

The CSS property to change the border of an element to Yxy 28.4222, 0.2319, 0.3534 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(4, 163, 150) }
```

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

```
.border{ border-color:rgb(4, 163, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 163, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 163, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 163, 150);  
box-shadow:4px 4px 4px 4px rgb(4, 163,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 28.4222, 0.2319, 0.3534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 163, 150) }
```

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

```
.background{ background-color: rgb(4, 163,  
150) }
```

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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