

Converting Colors

$Yxy(29.8478, 0.2312, 0.3524)$

Have a look what the booklet for
Yxy(29.8478, 0.2312, 0.3524)
contains.

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Color

Yxy(29.9705, 0.2313, 0.3528)

Conversions

Conversions Part 1

Format	Color
Hex	00A79A
RGB	0, 167, 154
RGB Percent	0%, 65%, 60%
CMY	1.0000, 0.3451, 0.3960
CMYK	1.00, 0.00, 0.08, 0.35
HSL	175°, 100%, 33%
HSV	175°, 100%, 65%
XYZ	19.6490, 29.9705, 35.3309
YIQ	115.5850, -95.3590, -39.4470

Conversions

Conversions Part 2

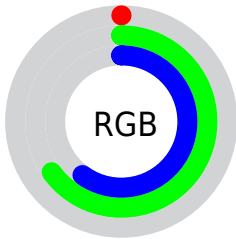
Format	Color
RYB	0, 87, 167
Decimal	42906
CIELab	61.63, -38.96, -3.59
CIELCh	62, 39.127, 185.267
Yxy	29.9705, 0.2313, 0.3528
Android (android.graphics.Color)	4278232986 (0xFF00A79A)
YUV	115.5850, 18.9386, -101.3680
Hunter-Lab	54.7453, -31.7376, 0.0579

Details

The Yxy color **29.9705, 0.2313, 0.3528** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.2454, 0.6307, 0.3248**, and the grayscale version is **17.2967, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.7091, 0.2478, 0.3490**, and **13.0139, 0.2327, 0.3577** is the 20% darker color. If you saturate the color by 10%, you get **29.9742, 0.2313, 0.3528**, and if you desaturate by 10%, it is **30.1341, 0.2323, 0.3502**.

Distribution



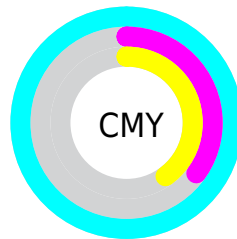
- Red (0%)
- Green (65%)
- Blue (60%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (35%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.9705, 0.2313, 0.3528 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 29.9705, 0.2313, 0.3528 by changing the saturation by 10% instead.


 29.9705, 0.2313,
0.3528


 29.9705, 0.2313,
0.3528


301.7669, 0.2742,
0.3407


 19.8162, 0.2199,
0.3558


 59.6155, 0.2474,
0.3484


 12.2615, 0.2049,
0.3596


 79.8750, 0.2533,
0.3468


 6.9220, 0.1843,
0.3645


 104.2717, 0.2583,
0.3454

 3.4134, 0.1546,
0.3708

 133.1900, 0.2624,
0.3442

 1.3512, 0.0789,
0.3913

 167.0143, 0.2660,
0.3431

 0.1803, 0.0000,
0.2872

 206.1289, 0.2691,

 0.0000, 0.0000,

0.3422

0.0000

250.9183, 0.2718,
0.3414

■ 29.9705, 0.2313,
0.3528

■ 29.9705, 0.2313,
0.3528

■ 29.9742, 0.2313,
0.3528

■ 30.1341, 0.2323,
0.3502

■ 30.3917, 0.2347,
0.3477

■ 30.7868, 0.2388,
0.3451

■ 31.3374, 0.2448,
0.3425

■ 32.0585, 0.2526,
0.3399

■ 32.9633, 0.2621,
0.3375

■ 34.0640, 0.2732,
0.3351

■ 35.3715, 0.2854,
0.3329

■ 36.8960, 0.2987,
0.3309

Harmonies

Analogous

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



29.9705, 0.2810, 0.4141



29.9705, 0.2313, 0.3528



29.9705, 0.2044, 0.2905

Triad

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



29.9705, 0.2313, 0.3528



29.9705, 0.2736, 0.2366



29.9705, 0.4338, 0.3955

Complementary

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



29.9705, 0.2313, 0.3528



8.2454, 0.6307, 0.3248

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.



29.9705, 0.4346, 0.3478



29.9705, 0.2313, 0.3528



29.9705, 0.3363, 0.2614

Square

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



29.9705, 0.2313, 0.3528



29.9705, 0.2269, 0.2312



29.9705, 0.3977, 0.3006



29.9705, 0.3987, 0.4333

Rectangle

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



29.9705, 0.2313, 0.3528



29.9705, 0.2007, 0.2597



29.9705, 0.3977, 0.3006



29.9705, 0.4384, 0.3801

Sweetspot

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



29.9742, 0.2313, 0.3528



60.8839, 0.2725, 0.3353



27.7330, 0.3021, 0.5984



13.4379, 0.2679, 0.3362



84.8088, 0.3127, 0.3290



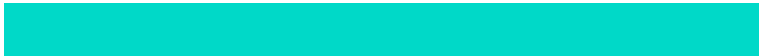
15.4872, 0.3127, 0.3290

Same Dimension

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



29.9742, 0.2313, 0.3528



53.6623, 0.2315, 0.3533



11.4178, 0.1854, 0.1875



8.5218, 0.2997, 0.3307



22.9375, 0.2313, 0.3526



0.5609, 0.2289, 0.3440

Inverse Universe

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



8.2454, 0.6307, 0.3248



14.7534, 0.6329, 0.3260



12.5451, 0.5637, 0.3906



7.5514, 0.3274, 0.3273



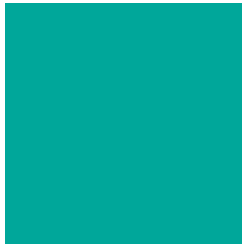
6.3119, 0.6295, 0.3241



0.1564, 0.5856, 0.3000

Previews

White Background



This preview shows how the Yxy color 29.9705, 0.2313, 0.3528 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 29.9705, 0.2313, 0.3528 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

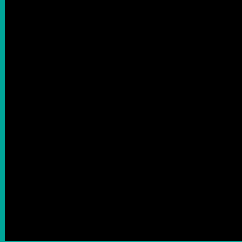
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.9705, 0.2313, 0.3528

Background



This preview shows how black text looks on a background with the Yxy color 29.9705, 0.2313, 0.3528.

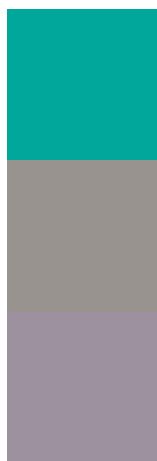


This preview shows how white text looks on a background with the Yxy color 29.9705, 0.2313, 0.3528.

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

29.9705, 0.2313, 0.3528

Protanopia

29.5260, 0.3218, 0.3353

Deuteranopia

29.6178, 0.3117, 0.3063



Tritanopia

30.1764, 0.2242, 0.3063

Trichromacy



Original Color

29.9705, 0.2313, 0.3528



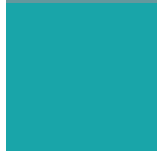
Protanomaly

27.7592, 0.2675, 0.3413



Deuteranomaly

27.6001, 0.2618, 0.3202



Tritanomaly

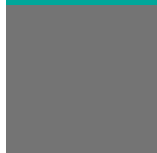
29.9815, 0.2255, 0.3216

Monochromacy



Original Color

29.9705, 0.2313, 0.3528



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

20.3955, 0.2580, 0.3391

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9705, 0.2313, 0.3528 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, 154)` looks like.

```
.text, #text, p{  
    color:rgb(0, 167, 154)  
}
```

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, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 167, 154) }
```

Border

The CSS property to change the border of an element to Yxy 29.9705, 0.2313, 0.3528 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, 154) }
```

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

```
.border{ border-color:rgb(0, 167, 154) }
```

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, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 167, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 167, 154);  
box-shadow:4px 4px 4px 4px rgb(0, 167,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9705, 0.2313, 0.3528 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, 154) }
```

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

```
.background{ background-color: rgb(0, 167,  
154) }
```

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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