

Converting Colors

$Yxy(24.5413, 0.1513, 0.3453)$

Have a look what the booklet for
Yxy(24.5413, 0.1513, 0.3453)
contains.

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Color

$\text{Yxy}(28.9512, 0.2288, 0.3436)$

Conversions

Conversions Part 1

Format	Color
Hex	00A49C
RGB	0, 164, 156
RGB Percent	0%, 64%, 61%
CMY	0.9993, 0.3569, 0.3882
CMYK	1.00, 0.00, 0.05, 0.36
HSL	177°, 100%, 32%
HSV	177°, 100%, 64%
XYZ	19.2783, 28.9512, 36.0289
YIQ	114.0520, -95.1760, -37.2560

Conversions

Conversions Part 2

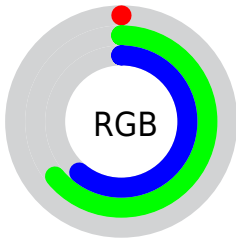
Format	Color
RYB	0, 84, 164
Decimal	42140
CIELab	60.74, -37.00, -6.03
CIELCh	61, 37.483, 189.251
Yxy	28.9512, 0.2288, 0.3436
Android (android.graphics.Color)	4278232220 (0xFF00A49C)
YUV	114.0520, 20.6804, -100.0236
Hunter-Lab	53.8063, -30.2061, -2.0364

Details

The Yxy color **28.9512, 0.2288, 0.3436** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **7.9143, 0.6339, 0.3267**, and the grayscale version is **16.8192, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.1667, 0.2457, 0.3423**, and **12.3888, 0.2291, 0.3447** is the 20% darker color. If you saturate the color by 10%, you get **28.9508, 0.2288, 0.3436**, and if you desaturate by 10%, it is **29.0937, 0.2301, 0.3420**.

Distribution



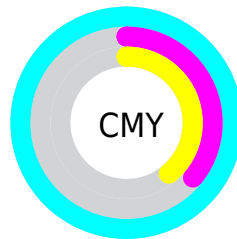
- Red (0%)
- Green (64%)
- Blue (61%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (5%)
- Black (36%)





- Cyan (100%)
- Magenta (36%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.9512, 0.2288, 0.3436 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 28.9512, 0.2288, 0.3436 by changing the saturation by 10% instead.


 28.9512, 0.2288,
0.3436


 28.9512, 0.2288,
0.3436


 296.9846, 0.2731,
0.3367

 19.0439, 0.2170,
0.3451


 57.9995, 0.2454,
0.3412

 11.7020, 0.2015,
0.3468


 77.9094, 0.2515,
0.3403

 6.5411, 0.1802,
0.3486


 101.9222, 0.2566,
0.3395

 3.1768, 0.1497,
0.3499

 130.4224, 0.2609,
0.3388

 1.2247, 0.0671,
0.3624

 163.7943, 0.2646,
0.3382

 0.0818, 0.0000,
0.1381

 202.4224, 0.2678,

 0.0000, 0.0000,

0.3376

0.0000

246.6911, 0.2706,
0.3372

■ 28.9512, 0.2288,
0.3436

■ 28.9512, 0.2288,
0.3436

■ 28.9508, 0.2288,
0.3436

■ 29.0937, 0.2301,
0.3420

■ 29.3287, 0.2326,
0.3405

■ 29.6957, 0.2370,
0.3389

■ 30.2116, 0.2432,
0.3373

■ 30.8909, 0.2512,
0.3357

■ 31.7461, 0.2610,
0.3342

■ 32.7888, 0.2723,
0.3328

■ 34.0295, 0.2849,
0.3314

■ 35.4778, 0.2985,
0.3301

Harmonies

Analogous

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



28.9512, 0.2748, 0.4045



28.9512, 0.2288, 0.3436



28.9512, 0.2057, 0.2851

Triad

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



28.9512, 0.2288, 0.3436



28.9512, 0.2823, 0.2413



28.9512, 0.4275, 0.3997

Complementary

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



28.9512, 0.2288, 0.3436



7.9143, 0.6339, 0.3267

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.



28.9512, 0.4330, 0.3539



28.9512, 0.2288, 0.3436



28.9512, 0.3441, 0.2676

Square

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



28.9512, 0.2288, 0.3436



28.9512, 0.2342, 0.2334



28.9512, 0.4016, 0.3074



28.9512, 0.3900, 0.4336

Rectangle

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



28.9512, 0.2288, 0.3436



28.9512, 0.2044, 0.2572



28.9512, 0.4016, 0.3074



28.9512, 0.4334, 0.3851

Sweetspot

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



28.9523, 0.2288, 0.3436



59.3793, 0.2715, 0.3329



26.6049, 0.3012, 0.5989



12.8093, 0.2668, 0.3334



82.7571, 0.3127, 0.3290



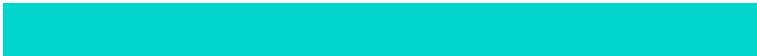
14.7319, 0.3127, 0.3290

Same Dimension

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



28.9523, 0.2288, 0.3436



52.5423, 0.2289, 0.3439



10.0414, 0.1824, 0.1764



8.0053, 0.2994, 0.3301



22.2005, 0.2287, 0.3435



0.4682, 0.2271, 0.3377

Inverse Universe

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



7.9143, 0.6339, 0.3267



14.3491, 0.6358, 0.3276



12.7770, 0.5536, 0.3985



7.0913, 0.3277, 0.3279



6.0671, 0.6333, 0.3262



0.1291, 0.6027, 0.3094

Previews

White Background



This preview shows how the Yxy color 28.9512, 0.2288, 0.3436 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 28.9512, 0.2288, 0.3436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

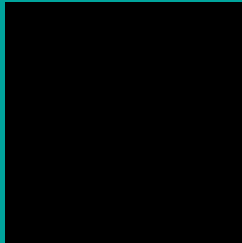
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.9512, 0.2288, 0.3436

Background



This preview shows how black text looks on a background with the Yxy color 28.9512, 0.2288, 0.3436.



This preview shows how white text looks on a background with the Yxy color 28.9512, 0.2288, 0.3436.

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

28.9512, 0.2288, 0.3436

Protanopia

28.5910, 0.3159, 0.3290

Deuteranopia

28.6915, 0.3057, 0.3000



Tritanopia

28.9208, 0.2233, 0.3059

Trichromacy



Original Color

28.9512, 0.2288, 0.3436



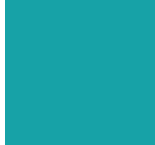
Protanomaly

27.0061, 0.2632, 0.3342



Deuteranomaly

26.8573, 0.2576, 0.3131



Tritanomaly

28.8128, 0.2247, 0.3197

Monochromacy



Original Color

28.9512, 0.2288, 0.3436



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

19.5040, 0.2570, 0.3351

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9512, 0.2288, 0.3436 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, 164, 156)` looks like.

```
.text, #text, p{  
    color:rgb(0, 164, 156)  
}
```

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, 164, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 164, 156) }
```

Border

The CSS property to change the border of an element to Yxy 28.9512, 0.2288, 0.3436 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, 164, 156) }
```

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

```
.border{ border-color:rgb(0, 164, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 164, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 164, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 164, 156);  
box-shadow:4px 4px 4px 4px rgb(0, 164,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 28.9512, 0.2288, 0.3436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 164, 156) }
```

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

```
.background{ background-color: rgb(0, 164,  
156) }
```

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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