

Converting Colors

$Yxy(21.6491, 0.0991, 0.3524)$

Have a look what the booklet for
Yxy(21.6491, 0.0991, 0.3524)
contains.

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Color

Yxy(28.1077, 0.2299, 0.3477)

Conversions

Conversions Part 1

Format	Color
Hex	00A298
RGB	0, 162, 152
RGB Percent	0%, 64%, 60%
CMY	1.0000, 0.3647, 0.4040
CMYK	1.00, 0.00, 0.06, 0.36
HSL	176°, 100%, 32%
HSV	176°, 100%, 64%
XYZ	18.5849, 28.1077, 34.1464
YIQ	112.4220, -93.3420, -37.4540

Conversions

Conversions Part 2

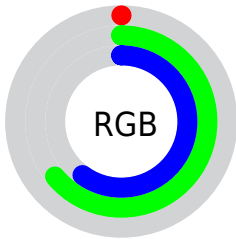
Format	Color
RYB	0, 84, 162
Decimal	41624
CIELab	59.99, -37.32, -4.87
CIELCh	60, 37.633, 187.436
Yxy	28.1077, 0.2299, 0.3477
Android (android.graphics.Color)	4278231704 (0xFF00A298)
YUV	112.4220, 19.5120, -98.5941
Hunter-Lab	53.0167, -30.2065, -1.0751

Details

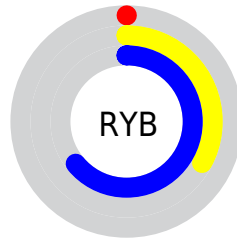
The Yxy color **28.1077, 0.2299, 0.3477** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **7.7042, 0.6325, 0.3258**, and the grayscale version is **16.2967, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.8743, 0.2466, 0.3453**, and **11.8769, 0.2307, 0.3505** is the 20% darker color. If you saturate the color by 10%, you get **28.1101, 0.2299, 0.3477**, and if you desaturate by 10%, it is **28.2550, 0.2311, 0.3457**.

Distribution



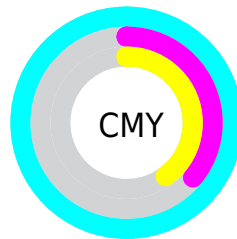
- Red (0%)
- Green (64%)
- Blue (60%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (6%)
- Black (36%)





- Cyan (100%)
- Magenta (36%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.1077, 0.2299, 0.3477 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 28.1077, 0.2299, 0.3477 by changing the saturation by 10% instead.

 28.1077, 0.2299,
0.3477


 28.1077, 0.2299,
0.3477


 292.9812, 0.2739,
0.3384


 18.4069, 0.2181,
0.3499


 56.6563, 0.2465,
0.3444


 11.2425, 0.2024,
0.3526


 76.2729, 0.2526,
0.3431

 6.2302, 0.1809,
0.3558

 99.9636, 0.2576,
0.3421

 2.9855, 0.1496,
0.3594

 128.1126, 0.2619,
0.3411

 1.1242, 0.0477,
0.3834

 161.1046, 0.2655,
0.3403

 0.0000, 0.0000,
0.0000

 199.3237, 0.2687,

0.3396

243.1544, 0.2715,
0.3390

■ 28.1077, 0.2299,
0.3477

■ 28.1077, 0.2299,
0.3477

■ 28.1101, 0.2299,
0.3477

■ 28.2550, 0.2311,
0.3457

■ 28.4899, 0.2336,
0.3437

■ 28.8530, 0.2378,
0.3416

■ 29.3608, 0.2439,
0.3396

■ 30.0273, 0.2519,
0.3376

■ 30.8648, 0.2615,
0.3357

■ 31.8844, 0.2727,
0.3338

■ 33.0964, 0.2851,
0.3321

■ 34.5102, 0.2985,
0.3305

Harmonies

Analogous

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



28.1077, 0.2776, 0.4088



28.1077, 0.2299, 0.3477



28.1077, 0.2051, 0.2875

Triad

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



28.1077, 0.2299, 0.3477



28.1077, 0.2784, 0.2392



28.1077, 0.4304, 0.3978

Complementary

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



28.1077, 0.2299, 0.3477



7.7042, 0.6325, 0.3258

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.



28.1077, 0.4338, 0.3512



28.1077, 0.2299, 0.3477



28.1077, 0.3406, 0.2648

Square

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



28.1077, 0.2299, 0.3477



28.1077, 0.2309, 0.2324



28.1077, 0.3999, 0.3044



28.1077, 0.3939, 0.4335

Rectangle

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



28.1077, 0.2299, 0.3477



28.1077, 0.2027, 0.2583



28.1077, 0.3999, 0.3044



28.1077, 0.4357, 0.3829

Sweetspot

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



28.1101, 0.2299, 0.3477



57.7630, 0.2720, 0.3339



25.9133, 0.3017, 0.5987



12.7989, 0.2674, 0.3347



82.7571, 0.3127, 0.3290



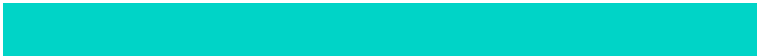
14.7319, 0.3127, 0.3290

Same Dimension

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



28.1101, 0.2299, 0.3477



51.0153, 0.2300, 0.3481



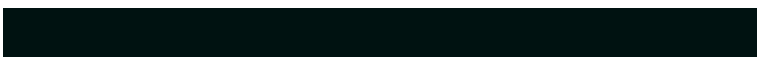
10.2294, 0.1839, 0.1821



8.0037, 0.2996, 0.3304



22.1458, 0.2299, 0.3475



0.4674, 0.2278, 0.3402

Inverse Universe

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



7.7042, 0.6325, 0.3258



13.9744, 0.6345, 0.3269



12.0880, 0.5585, 0.3947



7.0927, 0.3276, 0.3276



6.0713, 0.6315, 0.3252



0.1296, 0.5937, 0.3044

Previews

White Background



This preview shows how the Yxy color 28.1077, 0.2299, 0.3477 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 28.1077, 0.2299, 0.3477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

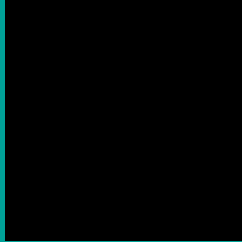
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.1077, 0.2299, 0.3477

Background



This preview shows how black text looks on a background with the Yxy color 28.1077, 0.2299, 0.3477.

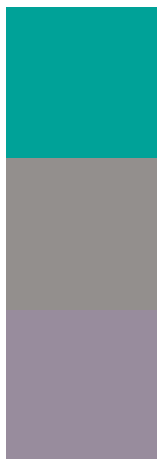


This preview shows how white text looks on a background with the Yxy color 28.1077, 0.2299, 0.3477.

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

28.1077, 0.2299, 0.3477

Protanopia

27.7711, 0.3190, 0.3322

Deuteranopia

27.8659, 0.3086, 0.3027



Tritanopia

28.1681, 0.2236, 0.3057

Trichromacy



Original Color

28.1077, 0.2299, 0.3477

Protanomaly

26.2367, 0.2658, 0.3380

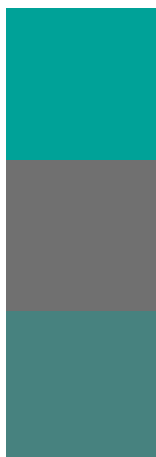
Deuteranomaly

26.0878, 0.2600, 0.3164

Tritanomaly

28.0524, 0.2249, 0.3196

Monochromacy



Original Color

28.1077, 0.2299, 0.3477

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

18.8372, 0.2564, 0.3352

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1077, 0.2299, 0.3477 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, 162, 152)` looks like.

```
.text, #text, p{  
    color:rgb(0, 162, 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, 162, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 162, 152) }
```

Border

The CSS property to change the border of an element to Yxy 28.1077, 0.2299, 0.3477 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, 162, 152) }
```

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

```
.border{ border-color:rgb(0, 162, 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, 162, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 162, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 162, 152);  
box-shadow:4px 4px 4px 4px rgb(0, 162,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1077, 0.2299, 0.3477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 162, 152) }
```

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

```
.background{ background-color: rgb(0, 162,  
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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