

Converting Colors

$Y_{xy}(30.7195, 0.2281, 0.3410)$

Have a look what the booklet for
Yxy(30.7195, 0.2281, 0.3410)
contains.

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Color

Yxy(30.6139, 0.2277, 0.3396)

Conversions

Conversions Part 1

Format	Color
Hex	00A8A2
RGB	0, 168, 162
RGB Percent	0%, 66%, 64%
CMY	0.9988, 0.3412, 0.3647
CMYK	1.00, 0.00, 0.04, 0.34
HSL	178°, 100%, 33%
HSV	178°, 100%, 66%
XYZ	20.5265, 30.6139, 39.0066
YIQ	117.0840, -98.2020, -37.4820

Conversions

Conversions Part 2

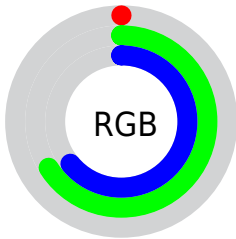
Format	Color
RYB	0, 86, 168
Decimal	43170
CIELab	62.18, -37.00, -7.25
CIELCh	62, 37.706, 191.086
Yxy	30.6139, 0.2277, 0.3396
Android (android.graphics.Color)	4278233250 (0xFF00A8A2)
YUV	117.0840, 22.1436, -102.6827
Hunter-Lab	55.3298, -30.6066, -3.0676

Details

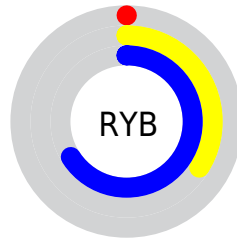
The Yxy color **30.6139, 0.2277, 0.3396** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.3454, 0.6355, 0.3276**, and the grayscale version is **17.7999, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.7540, 0.2443, 0.3381**, and **13.4092, 0.2275, 0.3389** is the 20% darker color. If you saturate the color by 10%, you get **30.6126, 0.2277, 0.3396**, and if you desaturate by 10%, it is **30.7547, 0.2290, 0.3385**.

Distribution



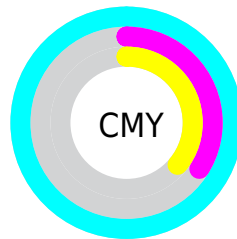
- Red (0%)
- Green (66%)
- Blue (64%)



- Red (0%)
- Yellow (34%)
- Blue (66%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (34%)





- Cyan (100%)
- Magenta (34%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 30.6139, 0.2277, 0.3396 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 30.6139, 0.2277, 0.3396 by changing the saturation by 10% instead.


 30.6139, 0.2277,
0.3396


 30.6139, 0.2277,
0.3396


 304.7556, 0.2721,
0.3350

 20.3050, 0.2161,
0.3404


 60.6317, 0.2443,
0.3382


 12.6170, 0.2009,
0.3412


 81.1094, 0.2504,
0.3376


 7.1653, 0.1802,
0.3416


 105.7455, 0.2555,
0.3370

 3.5657, 0.1510,
0.3410

 134.9243, 0.2598,
0.3365

 1.4337, 0.0905,
0.3429

 169.0304, 0.2635,
0.3361

 0.2414, 0.0000,
0.2387

 208.4480, 0.2668,

 0.0000, 0.0000,

0.3357

0.0000

253.5616, 0.2696,
0.3353

■ 30.6139, 0.2277,
0.3396

■ 30.6139, 0.2277,
0.3396

■ 30.6126, 0.2277,
0.3396

■ 30.7547, 0.2290,
0.3385

■ 30.9947, 0.2317,
0.3373

■ 31.3741, 0.2361,
0.3362

■ 31.9111, 0.2424,
0.3350

■ 32.6207, 0.2505,
0.3339

■ 33.5167, 0.2604,
0.3328

■ 34.6110, 0.2719,
0.3317

■ 35.9149, 0.2846,
0.3307

■ 37.4386, 0.2984,
0.3298

Harmonies

Analogous

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



30.6139, 0.2720, 0.4003



30.6139, 0.2277, 0.3396



30.6139, 0.2064, 0.2828

Triad

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



30.6139, 0.2277, 0.3396



30.6139, 0.2862, 0.2434



30.6139, 0.4247, 0.4015

Complementary

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



30.6139, 0.2277, 0.3396



8.3454, 0.6355, 0.3276

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.



30.6139, 0.4322, 0.3567



30.6139, 0.2277, 0.3396



30.6139, 0.3476, 0.2704

Square

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



30.6139, 0.2277, 0.3396



30.6139, 0.2374, 0.2343



30.6139, 0.4033, 0.3104



30.6139, 0.3861, 0.4336

Rectangle

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



30.6139, 0.2277, 0.3396



30.6139, 0.2060, 0.2561



30.6139, 0.4033, 0.3104



30.6139, 0.4311, 0.3873

Sweetspot

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



30.6150, 0.2277, 0.3396



62.6486, 0.2710, 0.3318



28.0614, 0.3012, 0.5989



13.4729, 0.2662, 0.3322



84.8088, 0.3127, 0.3290



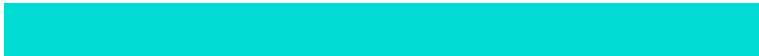
15.4872, 0.3127, 0.3290

Same Dimension

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



30.6150, 0.2277, 0.3396



55.5454, 0.2277, 0.3398



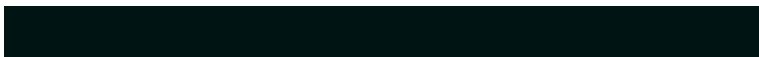
10.5777, 0.1823, 0.1762



8.5274, 0.2992, 0.3298



23.1197, 0.2276, 0.3395



0.5639, 0.2266, 0.3357

Inverse Universe

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



8.3454, 0.6355, 0.3276



15.1239, 0.6370, 0.3283



13.4632, 0.5538, 0.3983



7.5465, 0.3280, 0.3282



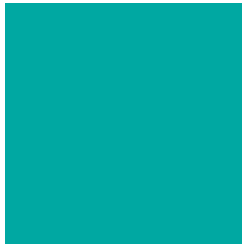
6.2982, 0.6352, 0.3273



0.1546, 0.6134, 0.3153

Previews

White Background



This preview shows how the Yxy color 30.6139, 0.2277, 0.3396 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.6139, 0.2277, 0.3396 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

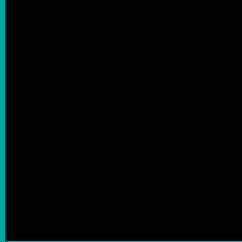
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

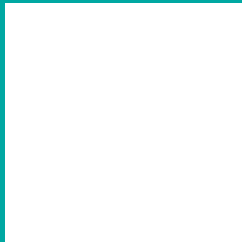
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.6139, 0.2277, 0.3396

Background



This preview shows how black text looks on a background with the Yxy color 30.6139, 0.2277, 0.3396.

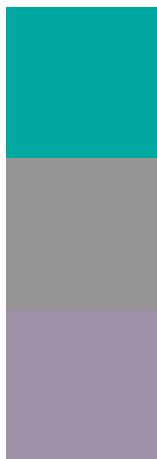


This preview shows how white text looks on a background with the Yxy color 30.6139, 0.2277, 0.3396.

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

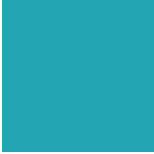
30.6139, 0.2277, 0.3396

Protanopia

30.3723, 0.3148, 0.3275

Deuteranopia

30.1087, 0.3031, 0.2962



Tritanopia

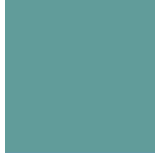
30.5400, 0.2227, 0.3047

Trichromacy



Original Color

30.6139, 0.2277, 0.3396



Protanomaly

28.6514, 0.2627, 0.3323



Deuteranomaly

28.1517, 0.2556, 0.3084



Tritanomaly

30.4717, 0.2236, 0.3165

Monochromacy



Original Color

30.6139, 0.2277, 0.3396



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

20.7976, 0.2567, 0.3349

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.6139, 0.2277, 0.3396 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, 168, 162)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 162)  
}
```

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, 168, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 162) }
```

Border

The CSS property to change the border of an element to Yxy 30.6139, 0.2277, 0.3396 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, 168, 162) }
```

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

```
.border{ border-color:rgb(0, 168, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 168, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 168, 162); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 168, 162); box-shadow:4px 4px 4px 4px rgb(0, 168, 162) }
```


Background

The CSS property to change the background color of an element to Yxy 30.6139, 0.2277, 0.3396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 168, 162) }
```

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

```
.background{ background-color: rgb(0, 168,  
162) }
```

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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