

Converting Colors

$Yxy(23.6448, 0.1595, 0.3091)$

Have a look what the booklet for
Yxy(23.6448, 0.1595, 0.3091)
contains.

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Color

Yxy(27.2437, 0.2201, 0.3122)

Conversions

Conversions Part 1

Format	Color
Hex	009EA7
RGB	0, 158, 167
RGB Percent	0%, 62%, 65%
CMY	0.9983, 0.3804, 0.3450
CMYK	1.00, 0.05, 0.00, 0.35
HSL	183°, 99%, 33%
HSV	183°, 100%, 65%
XYZ	19.2067, 27.2437, 40.8132
YIQ	111.7840, -97.0570, -30.6970

Conversions

Conversions Part 2

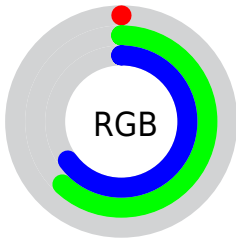
Format	Color
RYB	0, 81, 167
Decimal	40615
CIELab	59.20, -30.72, -14.55
CIELCh	59, 33.996, 205.340
Yxy	27.2437, 0.2201, 0.3122
Android (android.graphics.Color)	4278230695 (0xFF009EA7)
YUV	111.7840, 27.2215, -98.0346
Hunter-Lab	52.1955, -25.6583, -9.8237

Details

The Yxy color **27.2437, 0.2201, 0.3122** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.4233, 0.6352, 0.3335**, and the grayscale version is **16.1150, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.2421, 0.2385, 0.3167**, and **11.5459, 0.2182, 0.3054** is the 20% darker color. If you saturate the color by 10%, you get **27.2342, 0.2201, 0.3122**, and if you desaturate by 10%, it is **27.6721, 0.2223, 0.3140**.

Distribution



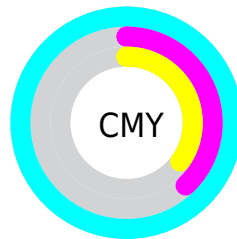
- Red (0%)
- Green (62%)
- Blue (65%)



- Red (0%)
- Yellow (32%)
- Blue (65%)



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (35%)



- Cyan (100%)
- Magenta (38%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.2437, 0.2201, 0.3122 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 27.2437, 0.2201, 0.3122 by changing the saturation by 10% instead.


 27.2437, 0.2201,
0.3122


 27.2437, 0.2201,
0.3122


288.8351, 0.2689,
0.3229

 17.7563, 0.2073,
0.3086


 55.2747, 0.2383,
0.3167

 10.7752, 0.1904,
0.3034


 74.5871, 0.2450,
0.3182

 5.9159, 0.1677,
0.2952

 97.9433, 0.2506,
0.3194

 2.7940, 0.1355,
0.2812

 125.7277, 0.2554,
0.3204

 1.0252, 0.0559,
0.2630

 158.3247, 0.2595,
0.3212

 0.0000, 0.0000,
0.0000

 196.1187, 0.2630,

0.3218

239.4940, 0.2661,
0.3224

■ 27.2437, 0.2201,
0.3122

■ 27.2437, 0.2201,
0.3122

■ 27.2342, 0.2201,
0.3122

■ 27.6721, 0.2223,
0.3140

■ 28.2009, 0.2258,
0.3157

■ 28.8697, 0.2311,
0.3175

■ 29.6961, 0.2383,
0.3194

■ 30.6953, 0.2473,
0.3211

■ 31.8804, 0.2580,
0.3229

■ 33.2635, 0.2702,
0.3246

■ 34.8555, 0.2836,
0.3262

■ 36.6665, 0.2980,
0.3277

Harmonies

Analogous

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



27.2437, 0.2525, 0.3699



27.2437, 0.2201, 0.3122



27.2437, 0.2110, 0.2669

Triad

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



27.2437, 0.2201, 0.3122



27.2437, 0.3148, 0.2584



27.2437, 0.4039, 0.4143

Complementary

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



27.2437, 0.2201, 0.3122



8.4233, 0.6352, 0.3335

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.



27.2437, 0.4257, 0.3765



27.2437, 0.2201, 0.3122



27.2437, 0.3722, 0.2906

Square

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



27.2437, 0.2201, 0.3122



27.2437, 0.2616, 0.2412



27.2437, 0.4145, 0.3323



27.2437, 0.3582, 0.4326

Rectangle

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



27.2437, 0.2201, 0.3122



27.2437, 0.2180, 0.2486



27.2437, 0.4145, 0.3323



27.2437, 0.4145, 0.4031

Sweetspot

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



27.2447, 0.2201, 0.3122



59.3488, 0.2692, 0.3244



27.6656, 0.2990, 0.5962



13.0493, 0.2641, 0.3238



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.



27.2447, 0.2201, 0.3122



48.6638, 0.2200, 0.3119



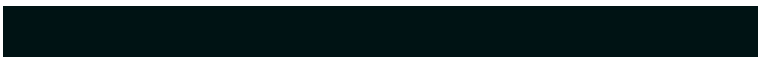
7.8786, 0.1732, 0.1433



8.4614, 0.2987, 0.3277



20.8586, 0.2201, 0.3123



0.5277, 0.2217, 0.3182

Inverse Universe

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



10.6949, 0.3348, 0.1619



19.1217, 0.3351, 0.1620



15.8811, 0.5246, 0.4214



7.6595, 0.3145, 0.3079



8.1767, 0.3347, 0.1618



0.2010, 0.3297, 0.1590

Previews

White Background



This preview shows how the Yxy color 27.2437, 0.2201, 0.3122 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 27.2437, 0.2201, 0.3122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

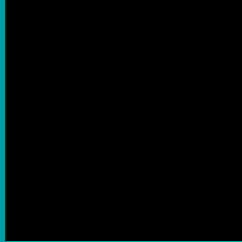
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.2437, 0.2201, 0.3122

Background



This preview shows how black text looks on a background with the Yxy color 27.2437, 0.2201, 0.3122.

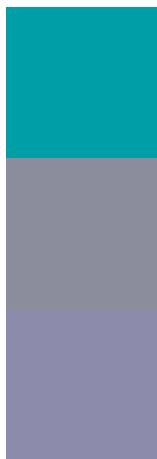


This preview shows how white text looks on a background with the Yxy color 27.2437, 0.2201, 0.3122.

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

27.2437, 0.2201, 0.3122

Protanopia

27.0255, 0.2971, 0.3049

Deuteranopia

27.0682, 0.2844, 0.2792



Tritanopia

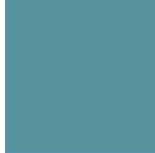
27.1354, 0.2198, 0.3052

Trichromacy



Original Color

27.2437, 0.2201, 0.3122



Protanomaly

25.5293, 0.2502, 0.3057



Deuteranomaly

25.6337, 0.2438, 0.2873



Tritanomaly

27.0497, 0.2196, 0.3069

Monochromacy



Original Color

27.2437, 0.2201, 0.3122



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

18.7060, 0.2520, 0.3226

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2437, 0.2201, 0.3122 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, 158, 167)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 167)  
}
```

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, 158, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 167) }
```

Border

The CSS property to change the border of an element to Yxy 27.2437, 0.2201, 0.3122 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, 158, 167) }
```

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

```
.border{ border-color:rgb(0, 158, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 158, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 167);  
box-shadow:4px 4px 4px 4px rgb(0, 158,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 27.2437, 0.2201, 0.3122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 158, 167) }
```

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

```
.background{ background-color: rgb(0, 158,  
167) }
```

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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