

Converting Colors

$Yxy(23.8678, 0.1316, 0.3820)$

Have a look what the booklet for
 $\text{Yxy}(23.8678, 0.1316, 0.3820)$
contains.

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Color

Yxy(29.2861, 0.2363, 0.3707)

Conversions

Conversions Part 1

Format	Color
Hex	00A690
RGB	0, 166, 144
RGB Percent	0%, 65%, 56%
CMY	1.0000, 0.3490, 0.4354
CMYK	1.00, 0.00, 0.13, 0.35
HSL	172°, 100%, 33%
HSV	172°, 100%, 65%
XYZ	18.6682, 29.2861, 31.0478
YIQ	113.8580, -91.8740, -42.0340

Conversions

Conversions Part 2

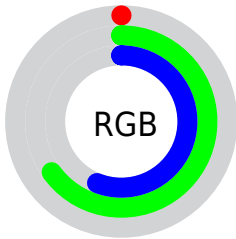
Format	Color
RYB	0, 89, 166
Decimal	42640
CIELab	61.03, -41.40, 1.18
CIELCh	61, 41.415, 178.372
Yxy	29.2861, 0.2363, 0.3707
Android (android.graphics.Color)	4278232720 (0xFF00A690)
YUV	113.8580, 14.8600, -99.8535
Hunter-Lab	54.1166, -33.1283, 3.8657

Details

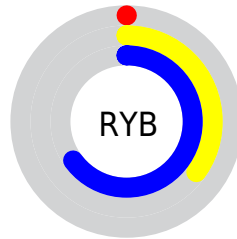
The Yxy color **29.2861, 0.2363, 0.3707** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.1657, 0.6215, 0.3198**, and the grayscale version is **16.7582, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.5951, 0.2515, 0.3619**, and **12.6184, 0.2391, 0.3806** is the 20% darker color. If you saturate the color by 10%, you get **29.2878, 0.2363, 0.3707**, and if you desaturate by 10%, it is **29.4713, 0.2369, 0.3661**.

Distribution



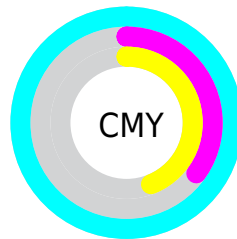
- Red (0%)
- Green (65%)
- Blue (56%)



- Red (0%)
- Yellow (35%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (13%)
- Black (35%)





- Cyan (100%)
- Magenta (35%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.2861, 0.2363, 0.3707 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 29.2861, 0.2363, 0.3707 by changing the saturation by 10% instead.


 29.2861, 0.2363,
0.3707


 29.2861, 0.2363,
0.3707


298.5625, 0.2771,
0.3483


 19.2974, 0.2252,
0.3768


 58.5313, 0.2518,
0.3622

 11.8853, 0.2105,
0.3851


 78.5566, 0.2574,
0.3591


 6.6656, 0.1900,
0.3966


 102.6962, 0.2621,
0.3565

 3.2539, 0.1598,
0.4139

 131.3345, 0.2660,
0.3543

 1.2657, 0.0558,
0.4701

 164.8559, 0.2694,
0.3525

 0.1144, 0.0000,
0.7300

 203.6447, 0.2723,

 0.0000, 0.0000,

0.3509

0.0000

248.0855, 0.2749,
0.3495

■ 29.2861, 0.2363,
0.3707

■ 29.2861, 0.2363,
0.3707

■ 29.2878, 0.2363,
0.3707

■ 29.4713, 0.2369,
0.3661

■ 29.7518, 0.2388,
0.3616

■ 30.1689, 0.2425,
0.3570

■ 30.7400, 0.2481,
0.3524

■ 31.4802, 0.2556,
0.3480

■ 32.4025, 0.2647,
0.3437

■ 33.5188, 0.2752,
0.3396

■ 34.8398, 0.2869,
0.3358

■ 36.3757, 0.2995,
0.3322

Harmonies

Analogous

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



29.2861, 0.2930, 0.4318



29.2861, 0.2363, 0.3707



29.2861, 0.2021, 0.3013

Triad

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



29.2861, 0.2363, 0.3707



29.2861, 0.2577, 0.2281



29.2861, 0.4454, 0.3875

Complementary

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



29.2861, 0.2363, 0.3707



8.1657, 0.6215, 0.3198

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.



29.2861, 0.4371, 0.3365



29.2861, 0.2363, 0.3707



29.2861, 0.3215, 0.2499

Square

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



29.2861, 0.2363, 0.3707



29.2861, 0.2138, 0.2274



29.2861, 0.3896, 0.2882



29.2861, 0.4148, 0.4318

Rectangle

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



29.2861, 0.2363, 0.3707



29.2861, 0.1943, 0.2649



29.2861, 0.3896, 0.2882



29.2861, 0.4473, 0.3706

Sweetspot

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



29.2878, 0.2363, 0.3707



60.7060, 0.2746, 0.3398



27.4468, 0.3039, 0.5969



13.3930, 0.2702, 0.3415



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.



29.2878, 0.2363, 0.3707



53.1277, 0.2365, 0.3715



12.8845, 0.1904, 0.2053



8.5147, 0.3004, 0.3320



22.7144, 0.2362, 0.3703



0.5572, 0.2320, 0.3552

Inverse Universe

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



8.1657, 0.6215, 0.3198



14.8009, 0.6246, 0.3214



11.4312, 0.5775, 0.3796



7.5579, 0.3266, 0.3260



6.3357, 0.6199, 0.3188



0.1589, 0.5540, 0.2825

Previews

White Background



This preview shows how the Yxy color 29.2861, 0.2363, 0.3707 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 29.2861, 0.2363, 0.3707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

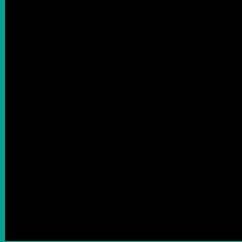
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.2861, 0.2363, 0.3707

Background



This preview shows how black text looks on a background with the Yxy color 29.2861, 0.2363, 0.3707.

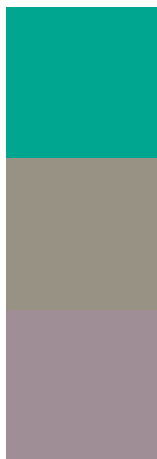


This preview shows how white text looks on a background with the Yxy color 29.2861, 0.2363, 0.3707.

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

29.2861, 0.2363, 0.3707

Protanopia

28.9266, 0.3320, 0.3497

Deuteranopia

28.8869, 0.3239, 0.3183



Tritanopia

29.4937, 0.2257, 0.3061

Trichromacy



Original Color

29.2861, 0.2363, 0.3707



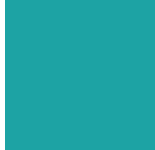
Protanomaly

27.1300, 0.2750, 0.3580



Deuteranomaly

27.0065, 0.2700, 0.3360



Tritanomaly

29.1359, 0.2278, 0.3269

Monochromacy



Original Color

29.2861, 0.2363, 0.3707



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

19.6722, 0.2606, 0.3456

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2861, 0.2363, 0.3707 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, 166, 144)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 144)  
}
```

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, 166, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 144) }
```

Border

The CSS property to change the border of an element to Yxy 29.2861, 0.2363, 0.3707 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, 166, 144) }
```

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

```
.border{ border-color:rgb(0, 166, 144) }
```

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

Here you see how a box with a 4 pixel rgb(0, 166, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 144);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 29.2861, 0.2363, 0.3707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 144) }
```

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

```
.background{ background-color: rgb(0, 166,  
144) }
```

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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