

Converting Colors

$Yxy(25.2303, 0.1522, 0.3741)$

Have a look what the booklet for
Yxy(25.2303, 0.1522, 0.3741)
contains.

Yxy(29.7440, 0.2351, 0.3664)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(29.7440, 0.2351, 0.3664)$

Conversions

Conversions Part 1

Format	Color
Hex	00A793
RGB	0, 167, 147
RGB Percent	0%, 65%, 58%
CMY	1.0000, 0.3451, 0.4234
CMYK	1.00, 0.00, 0.12, 0.35
HSL	173°, 100%, 33%
HSV	173°, 100%, 65%
XYZ	19.0852, 29.7440, 32.3498
YIQ	114.7870, -93.1120, -41.6240

Conversions

Conversions Part 2

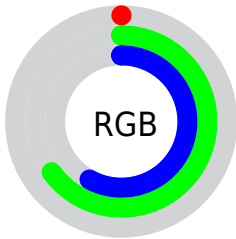
Format	Color
RYB	0, 89, 167
Decimal	42899
CIELab	61.43, -40.97, 0.05
CIElCh	61, 40.972, 179.930
Yxy	29.7440, 0.2351, 0.3664
Android (android.graphics.Color)	4278232979 (0xFF00A793)
YUV	114.7870, 15.8810, -100.6682
Hunter-Lab	54.5381, -32.9768, 3.0081

Details

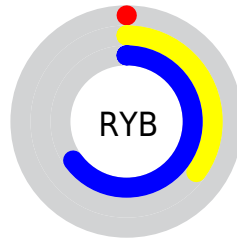
The Yxy color **29.7440, 0.2351, 0.3664** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.2663, 0.6241, 0.3212**, and the grayscale version is **17.0502, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.3196, 0.2507, 0.3589**, and **12.8977, 0.2374, 0.3745** is the 20% darker color. If you saturate the color by 10%, you get **29.7461, 0.2351, 0.3664**, and if you desaturate by 10%, it is **29.9258, 0.2358, 0.3623**.

Distribution



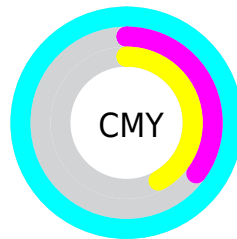
- Red (0%)
- Green (65%)
- Blue (58%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (12%)
- Black (35%)




- Cyan (100%)
- Magenta (35%)
- Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 29.7440, 0.2351, 0.3664 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 29.7440, 0.2351, 0.3664 by changing the saturation by 10% instead.

 29.7440, 0.2351,
0.3664

 29.7440, 0.2351,
0.3664


 300.7094, 0.2764,
0.3465

 19.6444, 0.2240,
0.3718


 59.2571, 0.2507,
0.3589

 12.1368, 0.2093,
0.3789


 79.4393, 0.2564,
0.3562


 6.8369, 0.1889,
0.3887


 103.7512, 0.2611,
0.3539

 3.3603, 0.1591,
0.4031

 132.5772, 0.2651,
0.3519

 1.3226, 0.0685,
0.4467

 166.3016, 0.2685,
0.3503

 0.1586, 0.0000,
0.4838

 205.3088, 0.2715,

 0.0000, 0.0000,

0.3489

0.0000

249.9833, 0.2741,
0.3476

■ 29.7440, 0.2351,
0.3664

■ 29.7440, 0.2351,
0.3664

■ 29.7461, 0.2351,
0.3664

■ 29.9258, 0.2358,
0.3623

■ 30.2038, 0.2378,
0.3582

■ 30.6199, 0.2416,
0.3541

■ 31.1921, 0.2473,
0.3500

■ 31.9354, 0.2548,
0.3461

■ 32.8632, 0.2640,
0.3422

■ 33.9874, 0.2747,
0.3385

■ 35.3191, 0.2865,
0.3351

■ 36.8683, 0.2993,
0.3319

Harmonies

Analogous

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



29.7440, 0.2902, 0.4276



29.7440, 0.2351, 0.3664



29.7440, 0.2026, 0.2987

Triad

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



29.7440, 0.2351, 0.3664



29.7440, 0.2614, 0.2301



29.7440, 0.4427, 0.3894

Complementary

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



29.7440, 0.2351, 0.3664



8.2663, 0.6241, 0.3212

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.



29.7440, 0.4366, 0.3391



29.7440, 0.2351, 0.3664



29.7440, 0.3250, 0.2526

Square

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



29.7440, 0.2351, 0.3664



29.7440, 0.2169, 0.2283



29.7440, 0.3916, 0.2911



29.7440, 0.4110, 0.4323

Rectangle

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



29.7440, 0.2351, 0.3664



29.7440, 0.1958, 0.2637



29.7440, 0.3916, 0.2911



29.7440, 0.4452, 0.3729

Sweetspot

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



29.7461, 0.2351, 0.3664



60.7479, 0.2741, 0.3387



27.8123, 0.3038, 0.5970



13.4036, 0.2696, 0.3402



84.8088, 0.3127, 0.3290



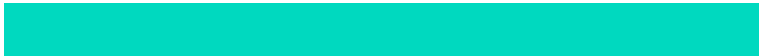
15.4872, 0.3127, 0.3290

Same Dimension

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



29.7461, 0.2351, 0.3664



53.2508, 0.2353, 0.3671



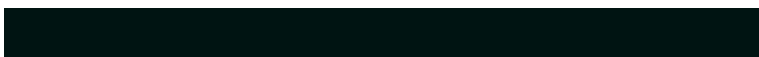
13.0506, 0.1903, 0.2052



8.5164, 0.3002, 0.3317



22.7658, 0.2350, 0.3660



0.5581, 0.2313, 0.3525

Inverse Universe

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



8.2663, 0.6241, 0.3212



14.7877, 0.6268, 0.3227



11.5784, 0.5776, 0.3796



7.5564, 0.3268, 0.3263



6.3292, 0.6224, 0.3203



0.1583, 0.5611, 0.2864

Previews

White Background



This preview shows how the Yxy color 29.7440, 0.2351, 0.3664 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 29.7440, 0.2351, 0.3664 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

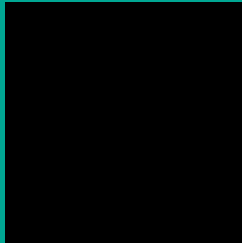
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.7440, 0.2351, 0.3664

Background



This preview shows how black text looks on a background with the Yxy color 29.7440, 0.2351, 0.3664.

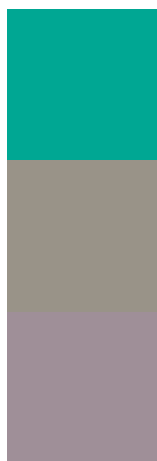


This preview shows how white text looks on a background with the Yxy color 29.7440, 0.2351, 0.3664.

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

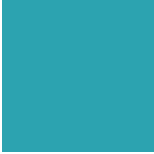
29.7440, 0.2351, 0.3664

Protanopia

29.4173, 0.3299, 0.3464

Deuteranopia

29.2828, 0.3208, 0.3153



Tritanopia

29.8644, 0.2253, 0.3062

Trichromacy



Original Color

29.7440, 0.2351, 0.3664



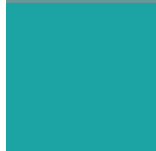
Protanomaly

27.5460, 0.2728, 0.3542



Deuteranomaly

27.4252, 0.2679, 0.3324



Tritanomaly

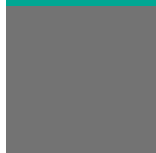
29.5144, 0.2276, 0.3270

Monochromacy



Original Color

29.7440, 0.2351, 0.3664



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

19.9990, 0.2593, 0.3434

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7440, 0.2351, 0.3664 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, 167, 147)` looks like.

```
.text, #text, p{  
    color:rgb(0, 167, 147)  
}
```

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, 167, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 167, 147) }
```

Border

The CSS property to change the border of an element to Yxy 29.7440, 0.2351, 0.3664 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, 167, 147) }
```

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

```
.border{ border-color:rgb(0, 167, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 167, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 167, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 167, 147);  
box-shadow:4px 4px 4px 4px rgb(0, 167,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7440, 0.2351, 0.3664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 167, 147) }
```

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

```
.background{ background-color: rgb(0, 167,  
147) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor