

Converting Colors

$Yxy(29.9122, 0.2439, 0.4069)$

Have a look what the booklet for
Yxy(29.9122, 0.2439, 0.4069)
contains.

Yxy(29.9609, 0.2463, 0.4065)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.9609, 0.2463, 0.4065)

Conversions

Conversions Part 1

Format	Color
Hex	00A981
RGB	0, 169, 129
RGB Percent	0%, 66%, 51%
CMY	0.9983, 0.3373, 0.4942
CMYK	1.00, 0.00, 0.24, 0.34
HSL	166°, 100%, 33%
HSV	166°, 100%, 66%
XYZ	18.1534, 29.9609, 25.5902
YIQ	113.9090, -87.8840, -48.2680

Conversions

Conversions Part 2

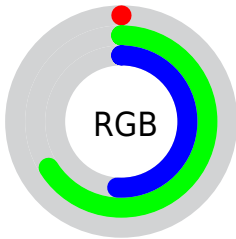
Format	Color
RYB	0, 96, 169
Decimal	43393
CIELab	61.62, -46.63, 10.40
CIELCh	62, 47.772, 167.421
Yxy	29.9609, 0.2463, 0.4065
Android (android.graphics.Color)	4278233473 (0xFF00A981)
YUV	113.9090, 7.4399, -99.8982
Hunter-Lab	54.7366, -36.5893, 10.5966

Details

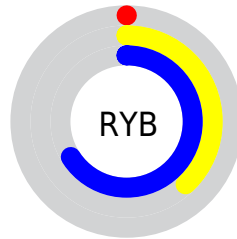
The Yxy color **29.9609, 0.2463, 0.4065** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.6000, 0.5946, 0.3052**, and the grayscale version is **16.8343, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5031, 0.2601, 0.3891**, and **13.0700, 0.2525, 0.4289** is the 20% darker color. If you saturate the color by 10%, you get **29.9567, 0.2463, 0.4067**, and if you desaturate by 10%, it is **30.1903, 0.2459, 0.3979**.

Distribution



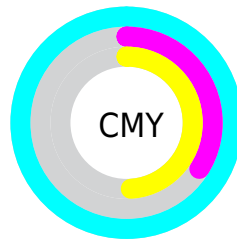
- Red (0%)
- Green (66%)
- Blue (51%)



- Red (0%)
- Yellow (38%)
- Blue (66%)



- Cyan (100%)
- Magenta (0%)
- Yellow (24%)
- Black (34%)




- Cyan (100%)
- Magenta (34%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.9609, 0.2463, 0.4065 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 29.9609, 0.2463, 0.4065 by changing the saturation by 10% instead.


 29.9609, 0.2463,
0.4065


 29.9609, 0.2463,
0.4065


301.7222, 0.2826,
0.3632


 19.8089, 0.2361,
0.4191


 59.6003, 0.2603,
0.3895


 12.2562, 0.2224,
0.4365

 79.8566, 0.2653,
0.3835

 6.9184, 0.2028,
0.4621


 104.2497, 0.2694,
0.3786

 3.4111, 0.1729,
0.5030

 133.1641, 0.2729,
0.3745

 1.3500, 0.0401,
0.6404

 166.9841, 0.2759,
0.3710

 0.1794, 0.0000,
1.0000

 206.0942, 0.2784,

 0.0000, 0.0000,

0.3680

0.0000

250.8788, 0.2806,
0.3654

■ 29.9609, 0.2463,
0.4065

■ 29.9609, 0.2463,
0.4065

■ 29.9567, 0.2463,
0.4067

■ 30.1903, 0.2459,
0.3979

■ 30.5250, 0.2470,
0.3892

■ 31.0054, 0.2499,
0.3805

■ 31.6497, 0.2548,
0.3719

■ 32.4736, 0.2615,
0.3636

■ 33.4907, 0.2697,
0.3556

■ 34.7134, 0.2793,
0.3481

■ 36.1530, 0.2898,
0.3411

■ 37.8201, 0.3012,
0.3347

Harmonies

Analogous

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



29.9609, 0.3159, 0.4638



29.9609, 0.2463, 0.4065



29.9609, 0.1983, 0.3237

Triad

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



29.9609, 0.2463, 0.4065



29.9609, 0.2292, 0.2127



29.9609, 0.4660, 0.3718

Complementary

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



29.9609, 0.2463, 0.4065



8.6000, 0.5946, 0.3052

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.



29.9609, 0.4398, 0.3155



29.9609, 0.2463, 0.4065



29.9609, 0.2938, 0.2290

Square

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



29.9609, 0.2463, 0.4065



29.9609, 0.1907, 0.2206



29.9609, 0.3730, 0.2653



29.9609, 0.4447, 0.4268

Rectangle

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



29.9609, 0.2463, 0.4065



29.9609, 0.1828, 0.2759



29.9609, 0.3730, 0.2653



29.9609, 0.4628, 0.3528

Sweetspot

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



29.9621, 0.2463, 0.4065



61.9863, 0.2785, 0.3487



28.8799, 0.3106, 0.5914



13.3107, 0.2745, 0.3517



84.8088, 0.3127, 0.3290



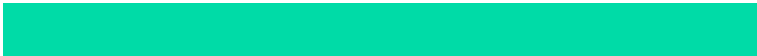
15.4872, 0.3127, 0.3290

Same Dimension

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



29.9621, 0.2463, 0.4065



53.6190, 0.2467, 0.4082



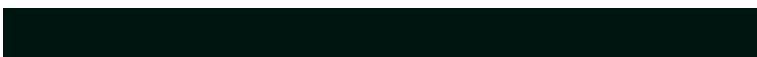
18.0080, 0.2019, 0.2468



8.5012, 0.3017, 0.3344



22.3361, 0.2461, 0.4058



0.5506, 0.2382, 0.3774

Inverse Universe

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



8.6000, 0.5946, 0.3052



15.3550, 0.5994, 0.3076



10.1319, 0.6060, 0.3567



7.5704, 0.3250, 0.3237



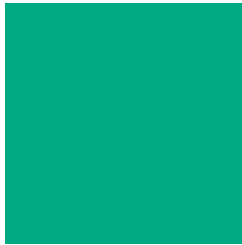
6.4085, 0.5928, 0.3039



0.1636, 0.5048, 0.2554

Previews

White Background



This preview shows how the Yxy color 29.9609, 0.2463, 0.4065 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 29.9609, 0.2463, 0.4065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

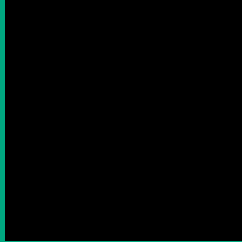
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.9609, 0.2463, 0.4065

Background



This preview shows how black text looks on a background with the Yxy color 29.9609, 0.2463, 0.4065.



This preview shows how white text looks on a background with the Yxy color 29.9609, 0.2463, 0.4065.

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

29.9609, 0.2463, 0.4065

Protanopia

29.6798, 0.3512, 0.3747

Deuteranopia

29.6097, 0.3472, 0.3412



Tritanopia

30.0859, 0.2282, 0.3064

Trichromacy



Original Color

29.9609, 0.2463, 0.4065



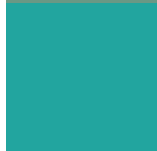
Protanomaly

27.9163, 0.2891, 0.3895



Deuteranomaly

27.2141, 0.2857, 0.3632



Tritanomaly

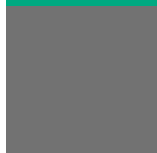
29.7536, 0.2326, 0.3397

Monochromacy



Original Color

29.9609, 0.2463, 0.4065



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

19.7986, 0.2660, 0.3606

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9609, 0.2463, 0.4065 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, 169, 129)` looks like.

```
.text, #text, p{  
    color:rgb(0, 169, 129)  
}
```

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, 169, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 169, 129) }
```

Border

The CSS property to change the border of an element to Yxy 29.9609, 0.2463, 0.4065 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, 169, 129) }
```

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

```
.border{ border-color:rgb(0, 169, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 169, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 169, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 169, 129);  
box-shadow:4px 4px 4px 4px rgb(0, 169,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9609, 0.2463, 0.4065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 169, 129) }
```

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

```
.background{ background-color: rgb(0, 169,  
129) }
```

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