

Converting Colors

$Yxy(29.0155, 0.2416, 0.3896)$

Have a look what the booklet for
Yxy(29.0155, 0.2416, 0.3896)
contains.

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Color

Yxy(29.0217, 0.2414, 0.3890)

Conversions

Conversions Part 1

Format	Color
Hex	00A687
RGB	0, 166, 135
RGB Percent	0%, 65%, 53%
CMY	0.9997, 0.3490, 0.4706
CMYK	1.00, 0.00, 0.19, 0.35
HSL	169°, 100%, 33%
HSV	169°, 100%, 65%
XYZ	18.0099, 29.0217, 27.5743
YIQ	112.8320, -88.9850, -44.8330

Conversions

Conversions Part 2

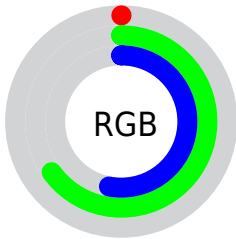
Format	Color
RYB	0, 92, 166
Decimal	42631
CIELab	60.80, -43.85, 5.88
CIELCh	61, 44.246, 172.363
Yxy	29.0217, 0.2414, 0.3890
Android (android.graphics.Color)	4278232711 (0xFF00A687)
YUV	112.8320, 10.9288, -98.9537
Hunter-Lab	53.8718, -34.6013, 7.3626

Details

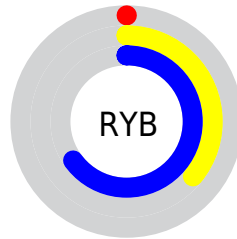
The Yxy color **29.0217, 0.2414, 0.3890** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.2079, 0.6091, 0.3130**, and the grayscale version is **16.4545, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.1487, 0.2564, 0.3764**, and **12.4661, 0.2465, 0.4072** is the 20% darker color. If you saturate the color by 10%, you get **29.0220, 0.2414, 0.3890**, and if you desaturate by 10%, it is **29.2272, 0.2415, 0.3824**.

Distribution



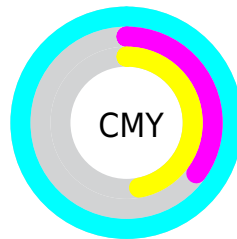
- Red (0%)
- Green (65%)
- Blue (53%)



- Red (0%)
- Yellow (36%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (19%)
- Black (35%)




- Cyan (100%)
- Magenta (35%)
- Yellow (47%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 29.0217, 0.2414, 0.3890 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 29.0217, 0.2414, 0.3890 by changing the saturation by 10% instead.

 29.0217, 0.2414,
0.3890


 29.0217, 0.2414,
0.3890


 297.3173, 0.2800,
0.3558

 19.0972, 0.2307,
0.3985


 58.1116, 0.2562,
0.3761


 11.7406, 0.2164,
0.4115


 78.0457, 0.2615,
0.3715


 6.5673, 0.1961,
0.4304


 102.0853, 0.2659,
0.3677

 3.1930, 0.1657,
0.4601

 130.6146, 0.2696,
0.3646

 1.2333, 0.0301,
0.5631

 164.0181, 0.2728,
0.3619

 0.0887, 0.0000,
1.0000

 202.6801, 0.2755,

 0.0000, 0.0000,

0.3596

0.0000

246.9850, 0.2779,
0.3576

■ 29.0217, 0.2414,
0.3890

■ 29.0217, 0.2414,
0.3890

■ 29.0220, 0.2414,
0.3890

■ 29.2272, 0.2415,
0.3824

■ 29.5300, 0.2429,
0.3757

■ 29.9708, 0.2463,
0.3690

■ 30.5670, 0.2515,
0.3625

■ 31.3336, 0.2586,
0.3560

■ 32.2836, 0.2672,
0.3499

■ 33.4290, 0.2772,
0.3440

■ 34.7804, 0.2883,
0.3386

■ 36.3481, 0.3003,
0.3336

Harmonies

Analogous

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



29.0217, 0.3049, 0.4487



29.0217, 0.2414, 0.3890



29.0217, 0.2000, 0.3126

Triad

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



29.0217, 0.2414, 0.3890



29.0217, 0.2427, 0.2200



29.0217, 0.4563, 0.3794

Complementary

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



29.0217, 0.2414, 0.3890



8.2079, 0.6091, 0.3130

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.



29.0217, 0.4388, 0.3255



29.0217, 0.2414, 0.3890



29.0217, 0.3071, 0.2389

Square

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



29.0217, 0.2414, 0.3890



29.0217, 0.2015, 0.2238



29.0217, 0.3812, 0.2762



29.0217, 0.4305, 0.4296

Rectangle

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



29.0217, 0.2414, 0.3890



29.0217, 0.1881, 0.2704



29.0217, 0.3812, 0.2762



29.0217, 0.4556, 0.3614

Sweetspot

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



29.0228, 0.2414, 0.3890



60.5344, 0.2766, 0.3444



27.6008, 0.3073, 0.5942



13.3499, 0.2724, 0.3467



84.8088, 0.3127, 0.3290



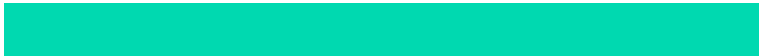
15.4872, 0.3127, 0.3290

Same Dimension

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



29.0228, 0.2414, 0.3890



52.6417, 0.2417, 0.3902



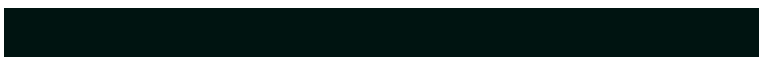
15.2956, 0.1970, 0.2290



8.5077, 0.3011, 0.3332



22.5111, 0.2412, 0.3884



0.5537, 0.2352, 0.3665

Inverse Universe

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



8.2079, 0.6091, 0.3130



14.8700, 0.6130, 0.3150



10.3755, 0.5947, 0.3660



7.5644, 0.3257, 0.3248



6.3687, 0.6072, 0.3119



0.1613, 0.5269, 0.2676

Previews

White Background



This preview shows how the Yxy color 29.0217, 0.2414, 0.3890 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 29.0217, 0.2414, 0.3890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

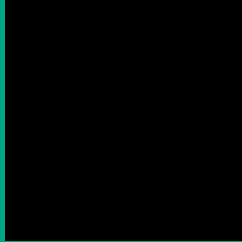
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.0217, 0.2414, 0.3890

Background



This preview shows how black text looks on a background with the Yxy color 29.0217, 0.2414, 0.3890.

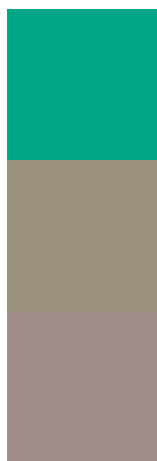


This preview shows how white text looks on a background with the Yxy color 29.0217, 0.2414, 0.3890.

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

29.0217, 0.2414, 0.3890

Protanopia

28.4783, 0.3426, 0.3627

Deuteranopia

28.6542, 0.3357, 0.3291



Tritanopia

29.1987, 0.2270, 0.3061

Trichromacy



Original Color

29.0217, 0.2414, 0.3890



Protanomaly

26.8824, 0.2822, 0.3752



Deuteranomaly

26.5603, 0.2778, 0.3488



Tritanomaly

29.0238, 0.2304, 0.3342

Monochromacy



Original Color

29.0217, 0.2414, 0.3890



Achromatopsia

16.5132, 0.3127, 0.3290



Achromatomaly

19.2607, 0.2629, 0.3522

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.0217, 0.2414, 0.3890 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, 135)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 135)  
}
```

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, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 135) }
```

Border

The CSS property to change the border of an element to Yxy 29.0217, 0.2414, 0.3890 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, 135) }
```

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

```
.border{ border-color:rgb(0, 166, 135) }
```

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, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 135);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 29.0217, 0.2414, 0.3890 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, 135) }
```

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

```
.background{ background-color: rgb(0, 166,  
135) }
```

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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