

Converting Colors

$Yxy(29.8443, 0.2168, 0.3005)$

Have a look what the booklet for
Yxy(29.8443, 0.2168, 0.3005)
contains.

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Color

Yxy(29.8462, 0.2169, 0.3010)

Conversions

Conversions Part 1

Format	Color
Hex	00A4B4
RGB	0, 164, 180
RGB Percent	0%, 64%, 71%
CMY	1.0000, 0.3568, 0.2941
CMYK	1.00, 0.09, 0.00, 0.29
HSL	185°, 100%, 35%
HSV	185°, 100%, 71%
XYZ	21.5071, 29.8462, 47.8035
YIQ	116.7880, -102.8800, -29.7920

Conversions

Conversions Part 2

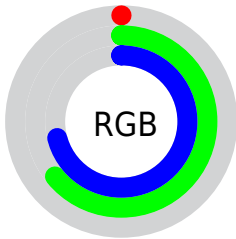
Format	Color
RYB	0, 86, 180
Decimal	42164
CIELab	61.52, -29.46, -18.35
CIElCh	62, 34.706, 211.919
Yxy	29.8462, 0.2169, 0.3010
Android (android.graphics.Color)	4278232244 (0xFF00A4B4)
YUV	116.7880, 31.1635, -102.4231
Hunter-Lab	54.6317, -25.3345, -13.6374

Details

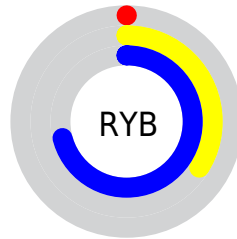
The Yxy color **29.8462, 0.2169, 0.3010** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.0725, 0.6331, 0.3355**, and the grayscale version is **17.6484, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.2606, 0.2352, 0.3069**, and **13.1206, 0.2146, 0.2925** is the 20% darker color. If you saturate the color by 10%, you get **29.8512, 0.2170, 0.3010**, and if you desaturate by 10%, it is **30.5554, 0.2194, 0.3040**.

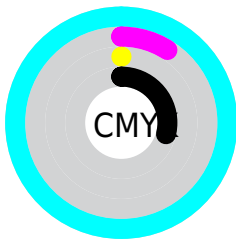
Distribution



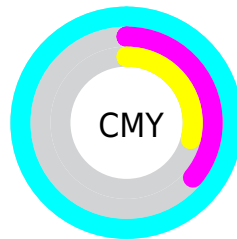
- Red (0%)
- Green (64%)
- Blue (71%)



- Red (0%)
- Yellow (34%)
- Blue (71%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (29%)





- Cyan (100%)
- Magenta (36%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 29.8462, 0.2169, 0.3010 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 29.8462, 0.2169, 0.3010 by changing the saturation by 10% instead.


 29.8462, 0.2169,
0.3010


 29.8462, 0.2169,
0.3010


 301.1869, 0.2664,
0.3176


 19.7219, 0.2042,
0.2959


 59.4189, 0.2352,
0.3077


 12.1930, 0.1878,
0.2888


 79.6360, 0.2420,
0.3100

 6.8753, 0.1660,
0.2783


 103.9862, 0.2477,
0.3119

 3.3842, 0.1360,
0.2616

 132.8539, 0.2525,
0.3134

 1.3355, 0.0864,
0.2340

 166.6234, 0.2567,
0.3147

 0.1684, 0.0000,
0.0975

 205.6791, 0.2604,

 0.0000, 0.0000,

0.3158

0.0000

250.4055, 0.2636,
0.3168

■ 29.8462, 0.2169,
0.3010

■ 29.8462, 0.2169,
0.3010

■ 29.8512, 0.2170,
0.3010

■ 30.5554, 0.2194,
0.3040

■ 31.3847, 0.2232,
0.3070

■ 32.3840, 0.2289,
0.3100

■ 33.5747, 0.2365,
0.3130

■ 34.9752, 0.2458,
0.3160

■ 36.6016, 0.2569,
0.3189

■ 38.4682, 0.2694,
0.3217

■ 40.5884, 0.2830,
0.3243

■ 42.9744, 0.2976,
0.3268

Harmonies

Analogous

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



29.8462, 0.2442, 0.3569



29.8462, 0.2169, 0.3010



29.8462, 0.2130, 0.2605

Triad

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



29.8462, 0.2169, 0.3010



29.8462, 0.3275, 0.2649



29.8462, 0.3948, 0.4197

Complementary

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



29.8462, 0.2169, 0.3010



10.0725, 0.6331, 0.3355

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.



29.8462, 0.4226, 0.3853



29.8462, 0.2169, 0.3010



29.8462, 0.3828, 0.2995

Square

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



29.8462, 0.2169, 0.3010



29.8462, 0.2725, 0.2442



29.8462, 0.4189, 0.3420



29.8462, 0.3461, 0.4314

Rectangle

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



29.8462, 0.2169, 0.3010



29.8462, 0.2233, 0.2456



29.8462, 0.4189, 0.3420



29.8462, 0.4070, 0.4100

Sweetspot

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



29.8512, 0.2170, 0.3010



69.5716, 0.2687, 0.3215



32.6745, 0.2984, 0.5944



14.7238, 0.2634, 0.3204



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



29.8512, 0.2170, 0.3010



53.9534, 0.2168, 0.3005



8.3268, 0.1699, 0.1316



9.5000, 0.2986, 0.3269



20.8862, 0.2171, 0.3014



0.6946, 0.2194, 0.3097

Inverse Universe

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



12.3834, 0.3445, 0.1672



22.4376, 0.3450, 0.1674



19.8050, 0.5162, 0.4283



8.6335, 0.3151, 0.3085



8.6486, 0.3442, 0.1670



0.2759, 0.3370, 0.1630

Previews

White Background



This preview shows how the Yxy color 29.8462, 0.2169, 0.3010 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 29.8462, 0.2169, 0.3010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

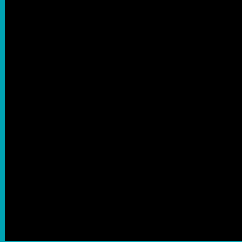
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

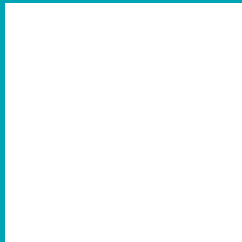
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.8462, 0.2169, 0.3010

Background



This preview shows how black text looks on a background with the Yxy color 29.8462, 0.2169, 0.3010.



This preview shows how white text looks on a background with the Yxy color 29.8462, 0.2169, 0.3010.

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

29.8462, 0.2169, 0.3010

Protanopia

29.6239, 0.2904, 0.2966

Deuteranopia

29.5511, 0.2759, 0.2708



Tritanopia

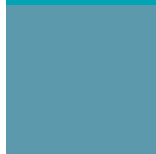
29.7653, 0.2179, 0.3043

Trichromacy



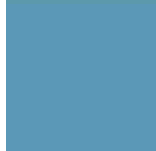
Original Color

29.8462, 0.2169, 0.3010



Protanomaly

28.0363, 0.2460, 0.2967



Deuteranomaly

28.0995, 0.2382, 0.2778



Tritanomaly

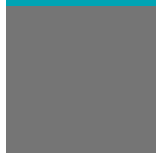
29.8056, 0.2174, 0.3026

Monochromacy



Original Color

29.8462, 0.2169, 0.3010



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

20.3995, 0.2498, 0.3168

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8462, 0.2169, 0.3010 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, 164, 180)` looks like.

```
.text, #text, p{  
    color:rgb(0, 164, 180)  
}
```

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, 164, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 164, 180) }
```

Border

The CSS property to change the border of an element to Yxy 29.8462, 0.2169, 0.3010 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, 164, 180) }
```

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

```
.border{ border-color:rgb(0, 164, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 164, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 164, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 164, 180);  
box-shadow:4px 4px 4px 4px rgb(0, 164,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8462, 0.2169, 0.3010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 164, 180) }
```

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

```
.background{ background-color: rgb(0, 164,  
180) }
```

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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