

Converting Colors

$Yxy(28.1233, 0.1926, 0.2622)$

Have a look what the booklet for
Yxy(28.1233, 0.1926, 0.2622)
contains.

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Color

$\text{Yxy}(29.2651, 0.2068, 0.2646)$

Conversions

Conversions Part 1

Format	Color
Hex	00A0C7
RGB	0, 160, 199
RGB Percent	0%, 63%, 78%
CMY	1.0000, 0.3725, 0.2197
CMYK	1.00, 0.20, 0.00, 0.22
HSL	192°, 100%, 39%
HSV	192°, 100%, 78%
XYZ	22.8723, 29.2651, 58.4638
YIQ	116.6060, -107.8790, -21.7910

Conversions

Conversions Part 2

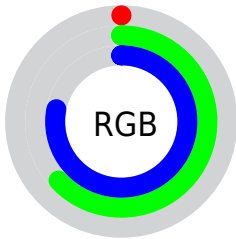
Format	Color
R _Y B	0, 89, 199
Decimal	41159
CIE Lab	61.01, -20.96, -29.77
CIE LCh	61, 36.411, 234.854
Yxy	29.2651, 0.2068, 0.2646
Android (android.graphics.Color)	4278231239 (0xFF00A0C7)
YUV	116.6060, 40.6202, -102.2635
Hunter-Lab	54.0972, -19.2002, -26.2077

Details

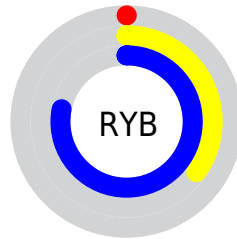
The Yxy color **29.2651, 0.2068, 0.2646** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **13.5883, 0.6191, 0.3466**, and the grayscale version is **17.5606, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.5302, 0.2272, 0.2793**, and **12.7695, 0.2016, 0.2458** is the 20% darker color. If you saturate the color by 10%, you get **29.2696, 0.2068, 0.2646**, and if you desaturate by 10%, it is **30.7897, 0.2104, 0.2716**.

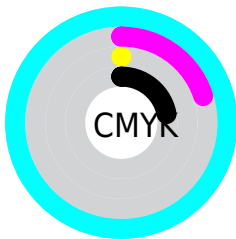
Distribution



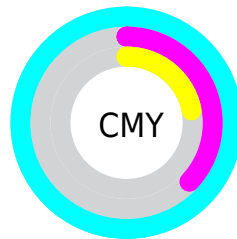
- Red (0%)
- Green (63%)
- Blue (78%)



- Red (0%)
- Yellow (35%)
- Blue (78%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (22%)





- Cyan (100%)
- Magenta (37%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.2651, 0.2068, 0.2646 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 29.2651, 0.2068, 0.2646 by changing the saturation by 10% instead.

 29.2651, 0.2068,
0.2646


 29.2651, 0.2068,
0.2646


298.4637, 0.2610,
0.3001

 19.2815, 0.1932,
0.2548


 58.4980, 0.2266,
0.2782

 11.8738, 0.1759,
0.2418


 78.5161, 0.2340,
0.2831


 6.6578, 0.1533,
0.2238


 102.6477, 0.2403,
0.2872

 3.2490, 0.1232,
0.1977

 131.2774, 0.2457,
0.2906

 1.2631, 0.0812,
0.1585

 164.7894, 0.2503,
0.2935

 0.1124, 0.0000,
0.0384

203.5682, 0.2543,

 0.0000, 0.0000,

0.2960

0.0000

247.9982, 0.2579,
0.2982

■ 29.2651, 0.2068,
0.2646

■ 29.2651, 0.2068,
0.2646

■ 29.2696, 0.2068,
0.2646

■ 30.7897, 0.2104,
0.2716

■ 32.5043, 0.2156,
0.2787

■ 34.4667, 0.2227,
0.2859

■ 36.7051, 0.2317,
0.2929

■ 39.2432, 0.2424,
0.2998

■ 42.1021, 0.2546,
0.3064

■ 45.3007, 0.2681,
0.3127

■ 48.8560, 0.2825,
0.3186

■ 52.7842, 0.2974,
0.3240

Harmonies

Analogous

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



29.2651, 0.2166, 0.3121



29.2651, 0.2068, 0.2646



29.2651, 0.2213, 0.2398

Triad

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



29.2651, 0.2068, 0.2646



29.2651, 0.3740, 0.2883



29.2651, 0.3608, 0.4373

Complementary

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



29.2651, 0.2068, 0.2646



13.5883, 0.6191, 0.3466

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.



29.2651, 0.4083, 0.4172



29.2651, 0.2068, 0.2646



29.2651, 0.4187, 0.3314

Square

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



29.2651, 0.2068, 0.2646



29.2651, 0.3137, 0.2551



29.2651, 0.4309, 0.3773



29.2651, 0.3029, 0.4224

Rectangle

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



29.2651, 0.2068, 0.2646



29.2651, 0.2438, 0.2360



29.2651, 0.4309, 0.3773



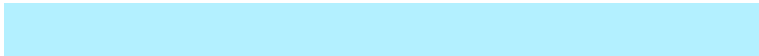
29.2651, 0.3786, 0.4339

Sweetspot

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



29.2696, 0.2068, 0.2646



79.0758, 0.2675, 0.3125



40.9684, 0.2954, 0.5833



16.3990, 0.2616, 0.3098



0.0000, 0.0000, 0.0000



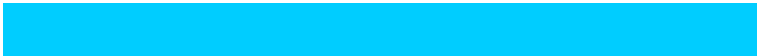
21.4041, 0.3127, 0.3290

Same Dimension

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



29.2696, 0.2068, 0.2646



50.9135, 0.2066, 0.2636



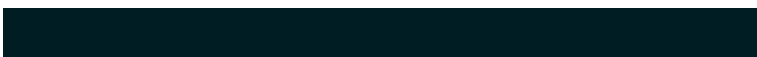
7.6788, 0.1619, 0.1029



11.7010, 0.2984, 0.3244



18.9490, 0.2071, 0.2656



0.9901, 0.2112, 0.2802

Inverse Universe

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



14.6781, 0.3780, 0.1856



25.6709, 0.3789, 0.1861



29.7394, 0.4892, 0.4498



10.7796, 0.3167, 0.3106



9.4529, 0.3770, 0.1851



0.4570, 0.3633, 0.1775

Previews

White Background



This preview shows how the Yxy color 29.2651, 0.2068, 0.2646 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 29.2651, 0.2068, 0.2646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

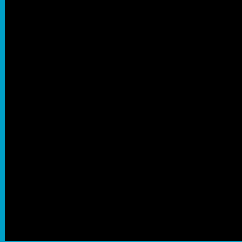
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.2651, 0.2068, 0.2646

Background



This preview shows how black text looks on a background with the Yxy color 29.2651, 0.2068, 0.2646.

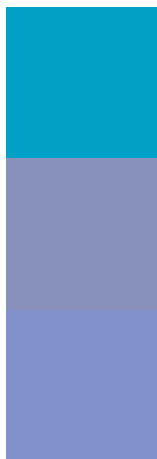


This preview shows how white text looks on a background with the Yxy color 29.2651, 0.2068, 0.2646.

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

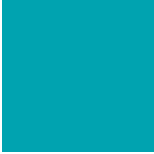
29.2651, 0.2068, 0.2646

Protanopia

29.0325, 0.2657, 0.2642

Deuteranopia

29.1518, 0.2494, 0.2439



Tritanopia

29.3290, 0.2183, 0.3058

Trichromacy



Original Color

29.2651, 0.2068, 0.2646



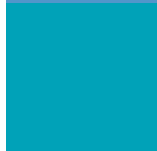
Protanomaly

27.5969, 0.2293, 0.2609



Deuteranomaly

27.8263, 0.2214, 0.2469



Tritanomaly

29.3014, 0.2141, 0.2909

Monochromacy



Original Color

29.2651, 0.2068, 0.2646



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

20.3375, 0.2442, 0.3014

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2651, 0.2068, 0.2646 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, 160, 199)` looks like.

```
.text, #text, p{  
    color:rgb(0, 160, 199)  
}
```

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, 160, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 160, 199) }
```

Border

The CSS property to change the border of an element to Yxy 29.2651, 0.2068, 0.2646 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, 160, 199) }
```

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

```
.border{ border-color:rgb(0, 160, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 160, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 160, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 160, 199);  
box-shadow:4px 4px 4px 4px rgb(0, 160,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 29.2651, 0.2068, 0.2646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 160, 199) }
```

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

```
.background{ background-color: rgb(0, 160,  
199) }
```

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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