

Converting Colors

$Y_{xy}(29.5845, 0.2061, 0.2621)$

Have a look what the booklet for
Yxy(29.5845, 0.2061, 0.2621)
contains.

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Color

Yxy(29.7068, 0.2065, 0.2635)

Conversions

Conversions Part 1

Format	Color
Hex	00A1C9
RGB	0, 161, 201
RGB Percent	0%, 63%, 79%
CMY	1.0000, 0.3686, 0.2118
CMYK	1.00, 0.20, 0.00, 0.21
HSL	192°, 100%, 39%
HSV	192°, 100%, 79%
XYZ	23.2807, 29.7068, 59.7518
YIQ	117.4210, -108.7960, -21.6920

Conversions

Conversions Part 2

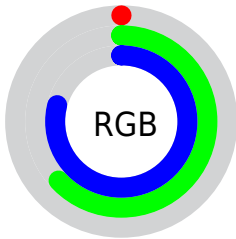
Format	Color
R_{YB}	0, 89, 201
Decimal	41417
CIE _{Lab}	61.40, -20.78, -30.29
CIE _{LCh}	61, 36.737, 235.548
Yxy	29.7068, 0.2065, 0.2635
Android (android.graphics.Color)	4278231497 (0xFF00A1C9)
YUV	117.4210, 41.2044, -102.9782
Hunter-Lab	54.5039, -19.1379, -26.8459

Details

The Yxy color **29.7068, 0.2065, 0.2635** 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 **13.9298, 0.6187, 0.3470**, and the grayscale version is **17.8235, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.0411, 0.2275, 0.2806**, and **13.0439, 0.2013, 0.2446** is the 20% darker color. If you saturate the color by 10%, you get **29.7109, 0.2065, 0.2635**, and if you desaturate by 10%, it is **31.2800, 0.2102, 0.2707**.

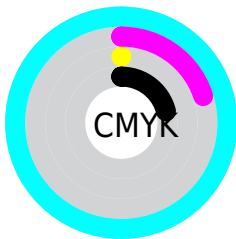
Distribution



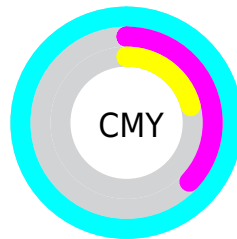
- Red (0%)
- Green (63%)
- Blue (79%)



- Red (0%)
- Yellow (35%)
- Blue (79%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (21%)





- Cyan (100%)
- Magenta (37%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.7068, 0.2065, 0.2635 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 29.7068, 0.2065, 0.2635 by changing the saturation by 10% instead.


 29.7068, 0.2065,
0.2635

 29.7068, 0.2065,
0.2635


300.5354, 0.2607,
0.2994

 19.6161, 0.1930,
0.2537


 59.1982, 0.2263,
0.2772

 12.1163, 0.1758,
0.2406


 79.3677, 0.2337,
0.2822


 6.8230, 0.1533,
0.2226


 103.6657, 0.2400,
0.2863

 3.3516, 0.1235,
0.1966

 132.4764, 0.2453,
0.2898

 1.3179, 0.0829,
0.1578

 166.1844, 0.2500,
0.2927

 0.1550, 0.0000,
0.0494

205.1739, 0.2540,

 0.0000, 0.0000,

0.2953

0.0000

249.8295, 0.2576,
0.2975

■ 29.7068, 0.2065,
0.2635

■ 29.7068, 0.2065,
0.2635

■ 29.7109, 0.2065,
0.2635

■ 31.2800, 0.2102,
0.2707

■ 33.0498, 0.2153,
0.2779

■ 35.0745, 0.2225,
0.2851

■ 37.3830, 0.2315,
0.2923

■ 39.9998, 0.2423,
0.2993

■ 42.9464, 0.2545,
0.3061

■ 46.2420, 0.2680,
0.3125

■ 49.9044, 0.2824,
0.3184

■ 53.9501, 0.2974,
0.3240

Harmonies

Analogous

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



29.7068, 0.2157, 0.3107



29.7068, 0.2065, 0.2635



29.7068, 0.2216, 0.2392

Triad

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



29.7068, 0.2065, 0.2635



29.7068, 0.3756, 0.2891



29.7068, 0.3597, 0.4379

Complementary

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



29.7068, 0.2065, 0.2635



13.9298, 0.6187, 0.3470

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.



29.7068, 0.4078, 0.4182



29.7068, 0.2065, 0.2635



29.7068, 0.4198, 0.3324

Square

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



29.7068, 0.2065, 0.2635



29.7068, 0.3151, 0.2555



29.7068, 0.4312, 0.3785



29.7068, 0.3015, 0.4220

Rectangle

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



29.7068, 0.2065, 0.2635



29.7068, 0.2445, 0.2357



29.7068, 0.4312, 0.3785



29.7068, 0.3776, 0.4346

Sweetspot

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



29.7109, 0.2065, 0.2635



78.9397, 0.2674, 0.3122



41.8962, 0.2954, 0.5834



16.3662, 0.2616, 0.3095



0.0000, 0.0000, 0.0000



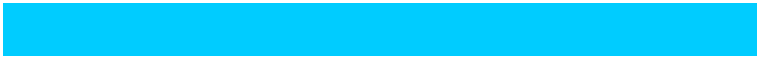
21.4041, 0.3127, 0.3290

Same Dimension

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



29.7109, 0.2065, 0.2635



50.5453, 0.2063, 0.2625



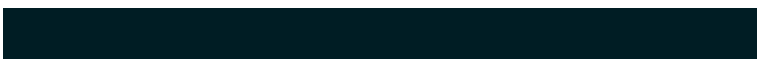
7.8428, 0.1619, 0.1028



11.6954, 0.2984, 0.3243



18.8164, 0.2068, 0.2645



0.9849, 0.2110, 0.2794

Inverse Universe

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



14.9883, 0.3790, 0.1862



25.6337, 0.3800, 0.1867



30.4015, 0.4893, 0.4497



10.7791, 0.3167, 0.3107



9.4395, 0.3780, 0.1856



0.4564, 0.3640, 0.1779

Previews

White Background



This preview shows how the Yxy color 29.7068, 0.2065, 0.2635 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 29.7068, 0.2065, 0.2635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

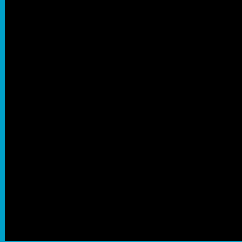
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.7068, 0.2065, 0.2635

Background



This preview shows how black text looks on a background with the Yxy color 29.7068, 0.2065, 0.2635.

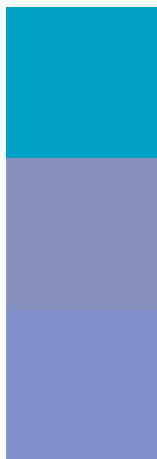


This preview shows how white text looks on a background with the Yxy color 29.7068, 0.2065, 0.2635.

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

29.7068, 0.2065, 0.2635

Protanopia

29.5097, 0.2652, 0.2633

Deuteranopia

29.6327, 0.2491, 0.2432



Tritanopia

29.7252, 0.2183, 0.3060

Trichromacy



Original Color

29.7068, 0.2065, 0.2635



Protanomaly

28.0545, 0.2292, 0.2599



Deuteranomaly

28.2867, 0.2213, 0.2460



Tritanomaly

29.7396, 0.2138, 0.2895

Monochromacy



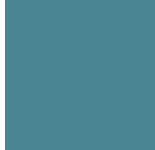
Original Color

29.7068, 0.2065, 0.2635



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

20.3690, 0.2435, 0.2995

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7068, 0.2065, 0.2635 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, 161, 201)` looks like.

```
.text, #text, p{  
    color:rgb(0, 161, 201)  
}
```

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, 161, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 161, 201) }
```

Border

The CSS property to change the border of an element to Yxy 29.7068, 0.2065, 0.2635 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, 161, 201) }
```

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

```
.border{ border-color:rgb(0, 161, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 161, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 161, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 161, 201);  
box-shadow:4px 4px 4px 4px rgb(0, 161,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7068, 0.2065, 0.2635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 161, 201) }
```

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

```
.background{ background-color: rgb(0, 161,  
201) }
```

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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