

Converting Colors

$Yxy(28.5611, 0.1910, 0.2650)$

Have a look what the booklet for
Yxy(28.5611, 0.1910, 0.2650)
contains.

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Color

Yxy(29.9642, 0.2078, 0.2681)

Conversions

Conversions Part 1

Format	Color
Hex	00A2C7
RGB	0, 162, 199
RGB Percent	0%, 64%, 78%
CMY	1.0000, 0.3647, 0.2197
CMYK	1.00, 0.19, 0.00, 0.22
HSL	191°, 100%, 39%
HSV	191°, 100%, 78%
XYZ	23.2248, 29.9642, 58.5760
YIQ	117.7800, -108.4290, -22.8370

Conversions

Conversions Part 2

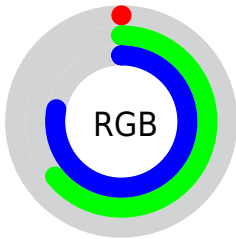
Format	Color
RYB	0, 89, 199
Decimal	41671
CIELab	61.62, -21.99, -28.83
CIELCh	62, 36.260, 232.658
Yxy	29.9642, 0.2078, 0.2681
Android (android.graphics.Color)	4278231751 (0xFF00A2C7)
YUV	117.7800, 40.0415, -103.2931
Hunter-Lab	54.7396, -20.0607, -25.1277

Details

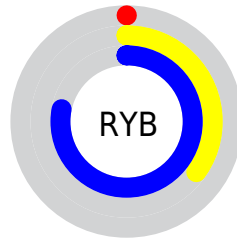
The Yxy color **29.9642, 0.2078, 0.2681** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **13.4595, 0.6209, 0.3452**, and the grayscale version is **17.9432, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5550, 0.2278, 0.2819**, and **13.1962, 0.2030, 0.2506** is the 20% darker color. If you saturate the color by 10%, you get **29.9663, 0.2078, 0.2681**, and if you desaturate by 10%, it is **31.4356, 0.2113, 0.2747**.

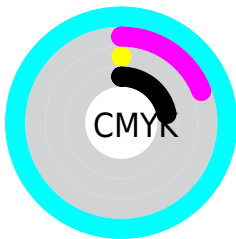
Distribution



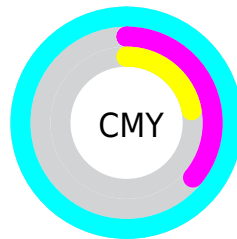
- Red (0%)
- Green (64%)
- Blue (78%)



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



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (22%)




- Cyan (100%)
- Magenta (36%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.9642, 0.2078, 0.2681 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 29.9642, 0.2078, 0.2681 by changing the saturation by 10% instead.


 29.9642, 0.2078,
0.2681


 29.9642, 0.2078,
0.2681


301.7375, 0.2614,
0.3017


 19.8114, 0.1944,
0.2588


 59.6056, 0.2274,
0.2810


 12.2580, 0.1774,
0.2464


 79.8629, 0.2347,
0.2856


 6.9197, 0.1551,
0.2293


 104.2573, 0.2409,
0.2895

 3.4119, 0.1254,
0.2043

 133.1730, 0.2462,
0.2927

 1.3504, 0.0845,
0.1663

 166.9945, 0.2507,
0.2955

 0.1797, 0.0000,
0.0598

206.1061, 0.2547,

 0.0000, 0.0000,

0.2978

0.0000

250.8924, 0.2582,
0.2999

■ 29.9642, 0.2078,
0.2681

■ 29.9642, 0.2078,
0.2681

■ 29.9663, 0.2078,
0.2681

■ 31.4356, 0.2113,
0.2747

■ 33.0952, 0.2163,
0.2814

■ 34.9984, 0.2232,
0.2882

■ 37.1734, 0.2321,
0.2948

■ 39.6439, 0.2427,
0.3013

■ 42.4307, 0.2548,
0.3076

■ 45.5528, 0.2682,
0.3136

■ 49.0272, 0.2825,
0.3192

■ 52.8699, 0.2974,
0.3243

Harmonies

Analogous

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



29.9642, 0.2193, 0.3165



29.9642, 0.2078, 0.2681



29.9642, 0.2204, 0.2418

Triad

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



29.9642, 0.2078, 0.2681



29.9642, 0.3692, 0.2860



29.9642, 0.3643, 0.4356

Complementary

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



29.9642, 0.2078, 0.2681



13.4595, 0.6209, 0.3452

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.



29.9642, 0.4099, 0.4139



29.9642, 0.2078, 0.2681



29.9642, 0.4151, 0.3282

Square

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



29.9642, 0.2078, 0.2681



29.9642, 0.3094, 0.2540



29.9642, 0.4299, 0.3736



29.9642, 0.3073, 0.4236

Rectangle

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



29.9642, 0.2078, 0.2681



29.9642, 0.2416, 0.2369



29.9642, 0.4299, 0.3736



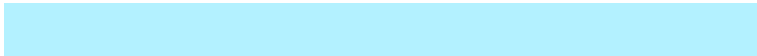
29.9642, 0.3815, 0.4314

Sweetspot

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



29.9663, 0.2078, 0.2681



79.5294, 0.2676, 0.3133



40.9652, 0.2954, 0.5833



16.5085, 0.2617, 0.3108



0.0000, 0.0000, 0.0000



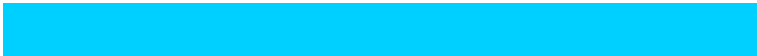
21.4041, 0.3127, 0.3290

Same Dimension

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



29.9663, 0.2078, 0.2681



52.1500, 0.2076, 0.2672



7.6783, 0.1619, 0.1029



11.7196, 0.2984, 0.3246



19.3941, 0.2081, 0.2690



1.0076, 0.2119, 0.2828

Inverse Universe

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



14.7475, 0.3746, 0.1837



25.7957, 0.3755, 0.1842



29.7372, 0.4892, 0.4498



10.7815, 0.3165, 0.3104



9.4978, 0.3737, 0.1833



0.4587, 0.3608, 0.1761

Previews

White Background



This preview shows how the Yxy color 29.9642, 0.2078, 0.2681 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 29.9642, 0.2078, 0.2681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

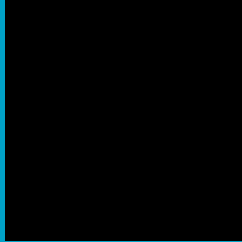
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.9642, 0.2078, 0.2681

Background



This preview shows how black text looks on a background with the Yxy color 29.9642, 0.2078, 0.2681.

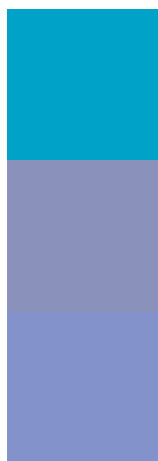


This preview shows how white text looks on a background with the Yxy color 29.9642, 0.2078, 0.2681.

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

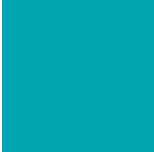
29.9642, 0.2078, 0.2681

Protanopia

29.5489, 0.2692, 0.2676

Deuteranopia

29.6949, 0.2519, 0.2459



Tritanopia

30.0846, 0.2188, 0.3078

Trichromacy



Original Color

29.9642, 0.2078, 0.2681



Protanomaly

28.2928, 0.2317, 0.2659



Deuteranomaly

28.5597, 0.2232, 0.2504



Tritanomaly

30.0537, 0.2147, 0.2929

Monochromacy



Original Color

29.9642, 0.2078, 0.2681



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

20.6526, 0.2453, 0.3035

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9642, 0.2078, 0.2681 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, 162, 199)` looks like.

```
.text, #text, p{  
    color:rgb(0, 162, 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, 162, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 162, 199) }
```

Border

The CSS property to change the border of an element to Yxy 29.9642, 0.2078, 0.2681 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, 162, 199) }
```

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

```
.border{ border-color:rgb(0, 162, 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, 162, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 162, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 162, 199);  
box-shadow:4px 4px 4px 4px rgb(0, 162,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9642, 0.2078, 0.2681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 162, 199) }
```

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

```
.background{ background-color: rgb(0, 162,  
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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