

Converting Colors

$Yxy(27.8204, 0.2046, 0.2566)$

Have a look what the booklet for
Yxy(27.8204, 0.2046, 0.2566)
contains.

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Color

$\text{Yxy}(27.9005, 0.2049, 0.2575)$

Conversions

Conversions Part 1

Format	Color
Hex	009CC7
RGB	0, 156, 199
RGB Percent	0%, 61%, 78%
CMY	0.9983, 0.3883, 0.2196
CMYK	1.00, 0.22, 0.00, 0.22
HSL	193°, 100%, 39%
HSV	193°, 100%, 78%
XYZ	22.2012, 27.9005, 58.2497
YIQ	114.2580, -106.7790, -19.6990

Conversions

Conversions Part 2

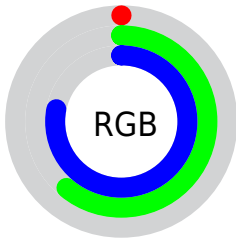
Format	Color
R_{YB}	0, 87, 199
Decimal	40135
CIE _{Lab}	59.80, -18.79, -31.67
CIE _{LCh}	60, 36.826, 239.319
Yxy	27.9005, 0.2049, 0.2575
Android (android.graphics.Color)	4278230215 (0xFF009CC7)
YUV	114.2580, 41.7778, -100.2043
Hunter-Lab	52.8209, -17.4111, -28.4090

Details

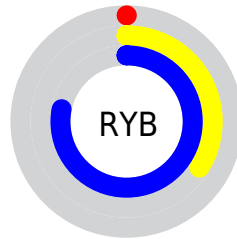
The Yxy color **27.9005, 0.2049, 0.2575** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **13.9040, 0.6148, 0.3498**, and the grayscale version is **16.8453, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.4612, 0.2257, 0.2741**, and **12.1475, 0.1996, 0.2386** is the 20% darker color. If you saturate the color by 10%, you get **27.8668, 0.2048, 0.2573**, and if you desaturate by 10%, it is **29.5233, 0.2088, 0.2654**.

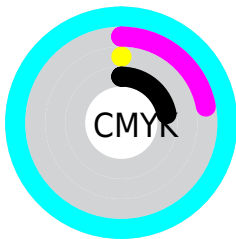
Distribution



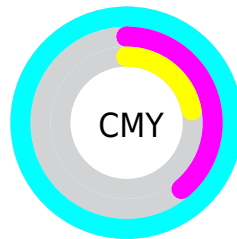
- Red (0%)
- Green (61%)
- Blue (78%)



- Red (0%)
- Yellow (34%)
- Blue (78%)



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



- Cyan (100%)
- Magenta (39%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.9005, 0.2049, 0.2575 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 27.9005, 0.2049, 0.2575 by changing the saturation by 10% instead.

■ 27.9005, 0.2049,
0.2575

■ 27.9005, 0.2049,
0.2575

■ 291.9912, 0.2604,
0.2968

■ 18.2507, 0.1909,
0.2467

■ 56.3255, 0.2252,
0.2725

■ 11.1301, 0.1731,
0.2325

■ 75.8696, 0.2328,
0.2779

■ 6.1544, 0.1498,
0.2128

■ 99.4804, 0.2393,
0.2824

■ 2.9392, 0.1189,
0.1846

■ 127.5425, 0.2447,
0.2862

■ 1.1001, 0.0745,
0.1432

■ 160.4402, 0.2494,
0.2894

■ 0.0000, 0.0000,
0.0000

198.5580, 0.2536,

0.2922

242.2802, 0.2572,
0.2946

■ 27.9005, 0.2049,
0.2575

■ 27.9005, 0.2049,
0.2575

■ 27.8668, 0.2048,
0.2573

■ 29.5233, 0.2088,
0.2654

■ 31.3512, 0.2143,
0.2733

■ 33.4369, 0.2217,
0.2812

■ 35.8085, 0.2310,
0.2891

■ 38.4901, 0.2420,
0.2968

■ 41.5026, 0.2545,
0.3042

■ 44.8649, 0.2682,
0.3111

■ 48.5944, 0.2827,
0.3176

■ 52.7073, 0.2978,
0.3237

Harmonies

Analogous

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



27.9005, 0.2111, 0.3029



27.9005, 0.2049, 0.2575



27.9005, 0.2233, 0.2359

Triad

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



27.9005, 0.2049, 0.2575



27.9005, 0.3841, 0.2933



27.9005, 0.3533, 0.4407

Complementary

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



27.9005, 0.2049, 0.2575



13.9040, 0.6148, 0.3498

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.



27.9005, 0.4048, 0.4241



27.9005, 0.2049, 0.2575



27.9005, 0.4259, 0.3382

Square

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



27.9005, 0.2049, 0.2575



27.9005, 0.3230, 0.2575



27.9005, 0.4327, 0.3850



27.9005, 0.2937, 0.4196

Rectangle

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



27.9005, 0.2049, 0.2575



27.9005, 0.2485, 0.2342



27.9005, 0.4327, 0.3850



27.9005, 0.3722, 0.4388

Sweetspot

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



27.9015, 0.2049, 0.2575



78.1440, 0.2673, 0.3107



41.0056, 0.2946, 0.5803



16.1743, 0.2613, 0.3077



0.0000, 0.0000, 0.0000



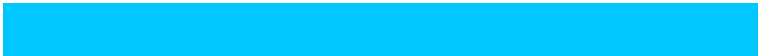
21.4041, 0.3127, 0.3290

Same Dimension

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



27.9015, 0.2049, 0.2575



48.4206, 0.2045, 0.2562



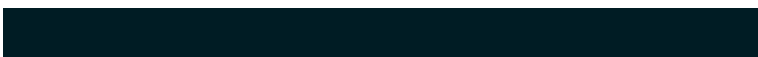
7.3590, 0.1610, 0.0993



11.6626, 0.2984, 0.3239



18.0509, 0.2051, 0.2584



0.9545, 0.2097, 0.2748

Inverse Universe

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



14.5522, 0.3848, 0.1895



25.4192, 0.3861, 0.1901



30.7347, 0.4845, 0.4533



10.7758, 0.3170, 0.3111



9.3622, 0.3839, 0.1889



0.4534, 0.3683, 0.1803

Previews

White Background



This preview shows how the Yxy color 27.9005, 0.2049, 0.2575 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 27.9005, 0.2049, 0.2575 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

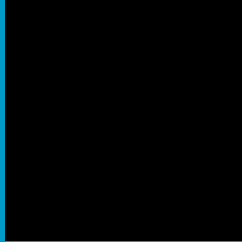
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.9005, 0.2049, 0.2575

Background



This preview shows how black text looks on a background with the Yxy color 27.9005, 0.2049, 0.2575.

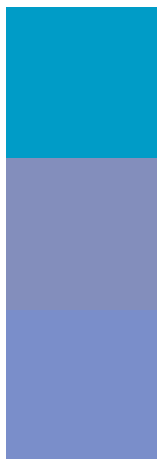


This preview shows how white text looks on a background with the Yxy color 27.9005, 0.2049, 0.2575.

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

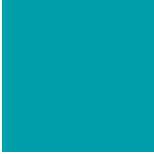
27.9005, 0.2049, 0.2575

Protanopia

27.8021, 0.2618, 0.2589

Deuteranopia

27.7478, 0.2448, 0.2395



Tritanopia

27.7748, 0.2182, 0.3053

Trichromacy



Original Color

27.9005, 0.2049, 0.2575



Protanomaly

26.5580, 0.2272, 0.2556



Deuteranomaly

26.7042, 0.2193, 0.2428



Tritanomaly

27.8311, 0.2130, 0.2868

Monochromacy



Original Color

27.9005, 0.2049, 0.2575



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

19.1613, 0.2434, 0.2969

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9005, 0.2049, 0.2575 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, 156, 199)` looks like.

```
.text, #text, p{  
    color:rgb(0, 156, 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, 156, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 156, 199) }
```

Border

The CSS property to change the border of an element to Yxy 27.9005, 0.2049, 0.2575 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, 156, 199) }
```

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

```
.border{ border-color:rgb(0, 156, 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, 156, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 156, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 156, 199);  
box-shadow:4px 4px 4px 4px rgb(0, 156,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9005, 0.2049, 0.2575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 156, 199) }
```

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

```
.background{ background-color: rgb(0, 156,  
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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