

Converting Colors

$Yxy(22.3516, 0.1236, 0.2434)$

Have a look what the booklet for
Yxy(22.3516, 0.1236, 0.2434)
contains.

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Color

Yxy(27.9471, 0.2045, 0.2561)

Conversions

Conversions Part 1

Format	Color
Hex	009CC8
RGB	0, 156, 200
RGB Percent	0%, 61%, 78%
CMY	0.9989, 0.3882, 0.2157
CMYK	1.00, 0.22, 0.00, 0.22
HSL	193°, 100%, 39%
HSV	193°, 100%, 78%
XYZ	22.3162, 27.9471, 58.8624
YIQ	114.3720, -107.1000, -19.3880

Conversions

Conversions Part 2

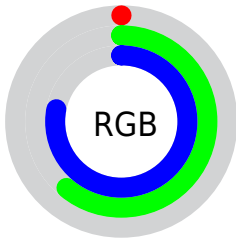
Format	Color
R _{YB}	0, 88, 200
Decimal	40136
CIE Lab	59.84, -18.44, -32.17
CIE LCh	60, 37.077, 240.173
Yxy	27.9471, 0.2045, 0.2561
Android (android.graphics.Color)	4278230216 (0xFF009CC8)
YUV	114.3720, 42.2146, -100.3042
Hunter-Lab	52.8650, -17.1626, -29.0108

Details

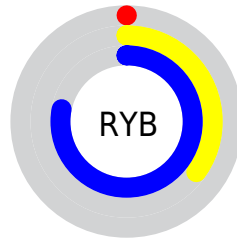
The Yxy color **27.9471, 0.2045, 0.2561** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **14.1038, 0.6143, 0.3503**, and the grayscale version is **16.8667, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.4612, 0.2257, 0.2741**, and **12.1785, 0.1991, 0.2368** is the 20% darker color. If you saturate the color by 10%, you get **27.9247, 0.2044, 0.2560**, and if you desaturate by 10%, it is **29.6039, 0.2084, 0.2641**.

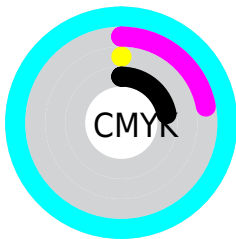
Distribution



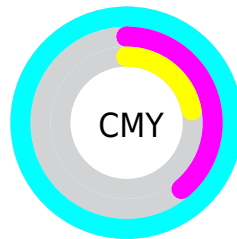
- Red (0%)
- Green (61%)
- Blue (78%)



- Red (0%)
- Yellow (35%)
- 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 27.9471, 0.2045, 0.2561 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 27.9471, 0.2045, 0.2561 by changing the saturation by 10% instead.


 27.9471, 0.2045,
0.2561


 27.9471, 0.2045,
0.2561


292.2141, 0.2602,
0.2960


 18.2858, 0.1905,
0.2452


 56.4000, 0.2249,
0.2714


 11.1554, 0.1727,
0.2308


 75.9603, 0.2325,
0.2769


 6.1714, 0.1494,
0.2109

 99.5891, 0.2389,
0.2814

 2.9496, 0.1185,
0.1826

 127.6708, 0.2444,
0.2853

 1.1055, 0.0747,
0.1411

 160.5898, 0.2492,
0.2886

 0.0000, 0.0000,
0.0000

198.7303, 0.2533,

0.2914

242.4770, 0.2569,
0.2939

■ 27.9471, 0.2045,
0.2561

■ 27.9471, 0.2045,
0.2561

■ 27.9247, 0.2044,
0.2560

■ 29.6039, 0.2084,
0.2641

■ 31.4693, 0.2139,
0.2722

■ 33.5970, 0.2214,
0.2803

■ 36.0157, 0.2307,
0.2883

■ 38.7496, 0.2418,
0.2961

■ 41.8200, 0.2544,
0.3037

■ 45.2462, 0.2681,
0.3108

■ 49.0458, 0.2826,
0.3174

■ 53.2350, 0.2977,
0.3235

Harmonies

Analogous

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



27.9471, 0.2100, 0.3011



27.9471, 0.2045, 0.2561



27.9471, 0.2237, 0.2351

Triad

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



27.9471, 0.2045, 0.2561



27.9471, 0.3861, 0.2943



27.9471, 0.3518, 0.4414

Complementary

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



27.9471, 0.2045, 0.2561



14.1038, 0.6143, 0.3503

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.



27.9471, 0.4041, 0.4255



27.9471, 0.2045, 0.2561



27.9471, 0.4273, 0.3396

Square

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



27.9471, 0.2045, 0.2561



27.9471, 0.3249, 0.2579



27.9471, 0.4331, 0.3865



27.9471, 0.2919, 0.4190

Rectangle

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



27.9471, 0.2045, 0.2561



27.9471, 0.2494, 0.2338



27.9471, 0.4331, 0.3865



27.9471, 0.3709, 0.4398

Sweetspot

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



27.9481, 0.2045, 0.2561



77.9770, 0.2672, 0.3104



41.4900, 0.2938, 0.5776



16.1341, 0.2613, 0.3074



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.



27.9481, 0.2045, 0.2561



47.9806, 0.2041, 0.2549



7.0861, 0.1599, 0.0953



11.6557, 0.2984, 0.3238



17.8923, 0.2048, 0.2571



0.9482, 0.2094, 0.2738

Inverse Universe

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



14.6862, 0.3862, 0.1902



25.3748, 0.3874, 0.1908



32.0507, 0.4803, 0.4567



10.7751, 0.3171, 0.3112



9.3462, 0.3852, 0.1896



0.4527, 0.3693, 0.1808

Previews

White Background



This preview shows how the Yxy color 27.9471, 0.2045, 0.2561 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 27.9471, 0.2045, 0.2561 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

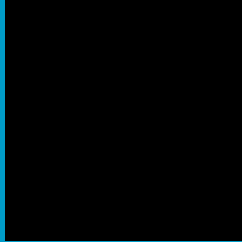
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.9471, 0.2045, 0.2561

Background



This preview shows how black text looks on a background with the Yxy color 27.9471, 0.2045, 0.2561.

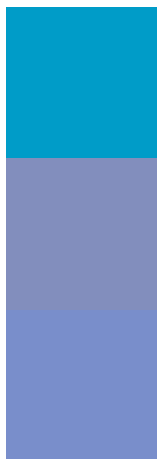


This preview shows how white text looks on a background with the Yxy color 27.9471, 0.2045, 0.2561.

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

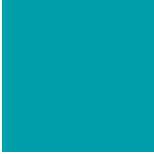
27.9471, 0.2045, 0.2561

Protanopia

27.7660, 0.2602, 0.2574

Deuteranopia

27.7227, 0.2434, 0.2381



Tritanopia

27.7748, 0.2182, 0.3053

Trichromacy



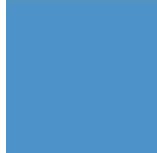
Original Color

27.9471, 0.2045, 0.2561



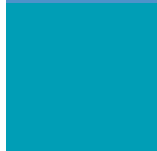
Protanomaly

26.5567, 0.2261, 0.2541



Deuteranomaly

26.7095, 0.2184, 0.2414



Tritanomaly

27.8311, 0.2130, 0.2868

Monochromacy



Original Color

27.9471, 0.2045, 0.2561



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 27.9471, 0.2045, 0.2561 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, 200)` looks like.

```
.text, #text, p{  
    color:rgb(0, 156, 200)  
}
```

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, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 156, 200) }
```

Border

The CSS property to change the border of an element to Yxy 27.9471, 0.2045, 0.2561 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, 200) }
```

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

```
.border{ border-color:rgb(0, 156, 200) }
```

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, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 156, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 156, 200);  
box-shadow:4px 4px 4px 4px rgb(0, 156,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9471, 0.2045, 0.2561 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, 200) }
```

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

```
.background{ background-color: rgb(0, 156,  
200) }
```

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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