

Converting Colors

$Y_{xy}(25.7361, 0.1877, 0.2471)$

Have a look what the booklet for
Yxy(25.7361, 0.1877, 0.2471)
contains.

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Color

Yxy(26.9526, 0.2030, 0.2508)

Conversions

Conversions Part 1

Format	Color
Hex	0099C8
RGB	0, 153, 200
RGB Percent	0%, 60%, 78%
CMY	1.0000, 0.4000, 0.2157
CMYK	1.00, 0.23, 0.00, 0.22
HSL	194°, 100%, 39%
HSV	194°, 100%, 78%
XYZ	21.8157, 26.9526, 58.6982
YIQ	112.6110, -106.2750, -17.8190

Conversions

Conversions Part 2

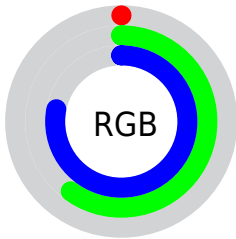
Format	Color
RYB	0, 87, 200
Decimal	39368
CIELab	58.93, -16.84, -33.58
CIELCh	59, 37.569, 243.368
Yxy	26.9526, 0.2030, 0.2508
Android (android.graphics.Color)	4278229448 (0xFF0099C8)
YUV	112.6110, 43.0828, -98.7598
Hunter-Lab	51.9159, -15.8449, -30.6945

Details

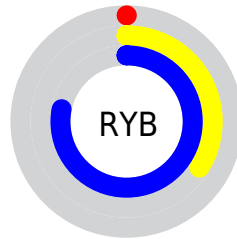
The Yxy color **26.9526, 0.2030, 0.2508** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **14.3130, 0.6117, 0.3525**, and the grayscale version is **16.2872, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.4983, 0.2245, 0.2688**, and **11.5781, 0.1971, 0.2296** is the 20% darker color. If you saturate the color by 10%, you get **26.9540, 0.2030, 0.2508**, and if you desaturate by 10%, it is **28.6719, 0.2071, 0.2594**.

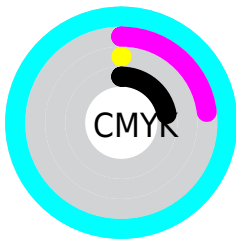
Distribution



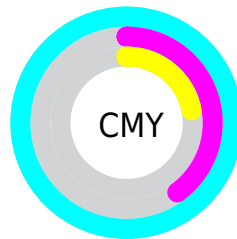
- Red (0%)
- Green (60%)
- Blue (78%)



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



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (22%)



- Cyan (100%)
- Magenta (40%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.9526, 0.2030, 0.2508 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 26.9526, 0.2030, 0.2508 by changing the saturation by 10% instead.

■ 26.9526, 0.2030,
0.2508

■ 26.9526, 0.2030,
0.2508

■ 287.4275, 0.2597,
0.2936

■ 17.5376, 0.1887,
0.2392

■ 54.8078, 0.2238,
0.2671

■ 10.6185, 0.1705,
0.2238

■ 74.0168, 0.2316,
0.2730

■ 5.8110, 0.1467,
0.2028

■ 97.2593, 0.2381,
0.2779

■ 2.7305, 0.1152,
0.1730

■ 124.9196, 0.2437,
0.2820

■ 0.9927, 0.0693,
0.1301

■ 157.3822, 0.2485,
0.2856

■ 0.0000, 0.0000,
0.0000

195.0315, 0.2527,

0.2886

238.2518, 0.2564,
0.2912

■ 26.9526, 0.2030,
0.2508

■ 26.9526, 0.2030,
0.2508

■ 26.9540, 0.2030,
0.2508

■ 28.6719, 0.2071,
0.2594

■ 30.6047, 0.2128,
0.2681

■ 32.8066, 0.2204,
0.2768

■ 35.3064, 0.2300,
0.2854

■ 38.1285, 0.2412,
0.2938

■ 41.2944, 0.2539,
0.3018

■ 44.8235, 0.2677,
0.3094

■ 48.7335, 0.2823,
0.3165

■ 53.0408, 0.2974,
0.3231

Harmonies

Analogous

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



26.9526, 0.2058, 0.2942



26.9526, 0.2030, 0.2508



26.9526, 0.2251, 0.2321

Triad

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



26.9526, 0.2030, 0.2508



26.9526, 0.3938, 0.2980



26.9526, 0.3461, 0.4440

Complementary

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



26.9526, 0.2030, 0.2508



14.3130, 0.6117, 0.3525

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.



26.9526, 0.4013, 0.4310



26.9526, 0.2030, 0.2508



26.9526, 0.4327, 0.3447

Square

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



26.9526, 0.2030, 0.2508



26.9526, 0.3321, 0.2596



26.9526, 0.4344, 0.3924



26.9526, 0.2849, 0.4167

Rectangle

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



26.9526, 0.2030, 0.2508



26.9526, 0.2529, 0.2324



26.9526, 0.4344, 0.3924



26.9526, 0.3660, 0.4437

Sweetspot

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



26.9540, 0.2030, 0.2508



77.3258, 0.2671, 0.3091



41.5131, 0.2930, 0.5748



15.9773, 0.2611, 0.3059



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.



26.9540, 0.2030, 0.2508



46.2842, 0.2027, 0.2496



6.7471, 0.1587, 0.0914



11.6287, 0.2984, 0.3234



17.2804, 0.2033, 0.2520



0.9237, 0.2083, 0.2699

Inverse Universe

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



14.5800, 0.3914, 0.1930



25.2036, 0.3926, 0.1937



33.0448, 0.4762, 0.4601



10.7723, 0.3173, 0.3115



9.2845, 0.3902, 0.1923



0.4503, 0.3729, 0.1828

Previews

White Background



This preview shows how the Yxy color 26.9526, 0.2030, 0.2508 looks on a white background.

Color Contrast Check

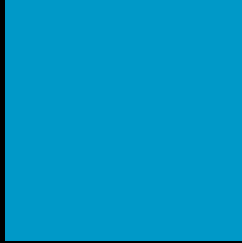
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.9526, 0.2030, 0.2508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

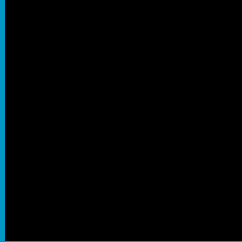
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.9526, 0.2030, 0.2508

Background



This preview shows how black text looks on a background with the Yxy color 26.9526, 0.2030, 0.2508.

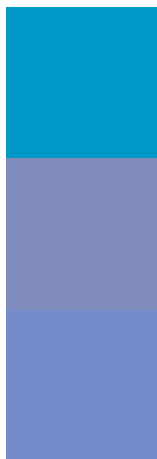


This preview shows how white text looks on a background with the Yxy color 26.9526, 0.2030, 0.2508.

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

26.9526, 0.2030, 0.2508

Protanopia

26.6514, 0.2571, 0.2522

Deuteranopia

26.8499, 0.2400, 0.2343



Tritanopia

26.9785, 0.2186, 0.3068

Trichromacy



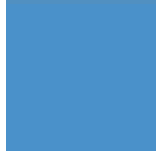
Original Color

26.9526, 0.2030, 0.2508



Protanomaly

25.5461, 0.2239, 0.2487



Deuteranomaly

25.9709, 0.2162, 0.2378



Tritanomaly

27.0722, 0.2129, 0.2863

Monochromacy



Original Color

26.9526, 0.2030, 0.2508



Achromatopsia

16.5132, 0.3127, 0.3290



Achromatomaly

18.8604, 0.2423, 0.2948

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.9526, 0.2030, 0.2508 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, 153, 200)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 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, 153, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 200) }
```

Border

The CSS property to change the border of an element to Yxy 26.9526, 0.2030, 0.2508 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, 153, 200) }
```

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

```
.border{ border-color:rgb(0, 153, 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, 153, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 200);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 26.9526, 0.2030, 0.2508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 153, 200) }
```

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

```
.background{ background-color: rgb(0, 153,  
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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