

Converting Colors

$Y_{xy}(26.8163, 0.2067, 0.2507)$

Have a look what the booklet for
Yxy(26.8163, 0.2067, 0.2507)
contains.

Yxy(26.9033, 0.2069, 0.2511)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(26.9033, 0.2069, 0.2511)

Conversions

Conversions Part 1

Format	Color
Hex	2198C7
RGB	33, 152, 199
RGB Percent	13%, 60%, 78%
CMY	0.8703, 0.4039, 0.2195
CMYK	0.83, 0.24, 0.00, 0.22
HSL	197°, 72%, 46%
HSV	197°, 83%, 78%
XYZ	22.1676, 26.9033, 58.0708
YIQ	121.7770, -86.0110, -10.6110

Conversions

Conversions Part 2

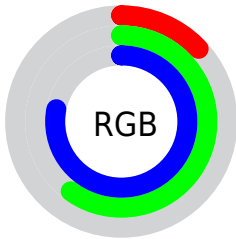
Format	Color
R_{YB}	33, 102, 199
Decimal	2201799
CIE _{Lab}	58.88, -15.01, -33.08
CIE _{LCh}	59, 36.325, 245.600
Yxy	26.9033, 0.2069, 0.2511
Android (android.graphics.Color)	4280391879 (0xFF2198C7)
YUV	121.7770, 38.0709, -77.8574
Hunter-Lab	51.8684, -14.4819, -30.0721

Details

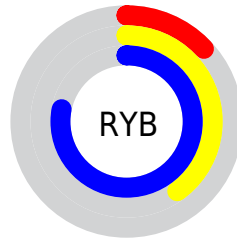
The Yxy color **26.9033, 0.2069, 0.2511** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark muted azure. A complement of this color would be **18.0076, 0.5538, 0.3734**, and the grayscale version is **19.2878, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.5508, 0.2275, 0.2680**, and **11.3517, 0.1969, 0.2290** is the 20% darker color. If you saturate the color by 10%, you get **24.8791, 0.2012, 0.2405**, and if you desaturate by 10%, it is **29.2104, 0.2146, 0.2618**.

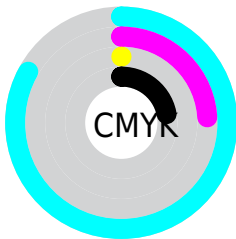
Distribution



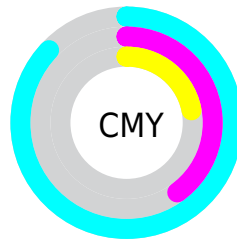
- Red (13%)
- Green (60%)
- Blue (78%)



- Red (13%)
- Yellow (40%)
- Blue (78%)



- Cyan (83%)
- Magenta (24%)
- Yellow (0%)
- Black (22%)





- Cyan (87%)
- Magenta (40%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.9033, 0.2069, 0.2511 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 26.9033, 0.2069, 0.2511 by changing the saturation by 10% instead.


 26.9033, 0.2069,
0.2511


 26.9033, 0.2069,
0.2511


287.1886, 0.2617,
0.2936


 17.5006, 0.1930,
0.2396


 54.7287, 0.2271,
0.2673


 10.5921, 0.1752,
0.2244


 73.9201, 0.2346,
0.2731

 5.7932, 0.1518,
0.2035

 97.1433, 0.2409,
0.2780

 2.7198, 0.1206,
0.1740

 124.7826, 0.2463,
0.2821

 0.9872, 0.0755,
0.1312

 157.2223, 0.2510,
0.2856

 0.0000, 0.0000,
0.0000

194.8470, 0.2550,

0.2886

238.0410, 0.2586,
0.2913

■ 26.9033, 0.2069,
0.2511

■ 26.9033, 0.2069,
0.2511

■ 24.8791, 0.2012,
0.2405

■ 29.2104, 0.2146,
0.2618

■ 23.6566, 0.1982,
0.2336

■ 31.8287, 0.2242,
0.2724

■ 34.7849, 0.2356,
0.2828

■ 38.1015, 0.2484,
0.2928

■ 41.7990, 0.2624,
0.3023

■ 45.8957, 0.2771,
0.3111

■ 50.4088, 0.2922,
0.3192

■ 55.3542, 0.3076,
0.3267

■ 60.7470, 0.3228,
0.3333

Harmonies

Analogous

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



26.9033, 0.2079, 0.2916



26.9033, 0.2069, 0.2511



26.9033, 0.2302, 0.2344

Triad

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



26.9033, 0.2069, 0.2511



26.9033, 0.3950, 0.3022



26.9033, 0.3409, 0.4395

Complementary

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



26.9033, 0.2069, 0.2511



18.0076, 0.5538, 0.3734

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.



26.9033, 0.3953, 0.4299



26.9033, 0.2069, 0.2511



26.9033, 0.4303, 0.3481

Square

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



26.9033, 0.2069, 0.2511



26.9033, 0.3362, 0.2640



26.9033, 0.4293, 0.3941



26.9033, 0.2818, 0.4100

Rectangle

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



26.9033, 0.2069, 0.2511



26.9033, 0.2584, 0.2358



26.9033, 0.4293, 0.3941



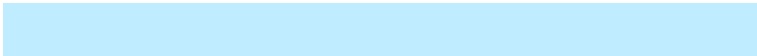
26.9033, 0.3604, 0.4403

Sweetspot

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



26.9042, 0.2069, 0.2511



78.8591, 0.2741, 0.3094



41.7626, 0.2858, 0.5303



16.3252, 0.2688, 0.3063



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.



26.9042, 0.2069, 0.2511



40.9787, 0.1978, 0.2321



8.7090, 0.1702, 0.1134



11.5399, 0.2984, 0.3223



15.3629, 0.1986, 0.2350



0.8460, 0.2047, 0.2569

Inverse Universe

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



15.5039, 0.3897, 0.2029



24.6680, 0.4105, 0.2035



38.4738, 0.4487, 0.4672



10.7634, 0.3180, 0.3126



9.0909, 0.4074, 0.2018



0.4424, 0.3854, 0.1897

Previews

White Background



This preview shows how the Yxy color 26.9033, 0.2069, 0.2511 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 26.9033, 0.2069, 0.2511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

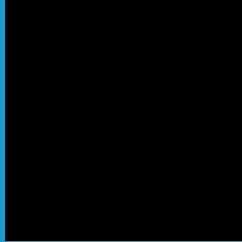
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.9033, 0.2069, 0.2511

Background



This preview shows how black text looks on a background with the Yxy color 26.9033, 0.2069, 0.2511.

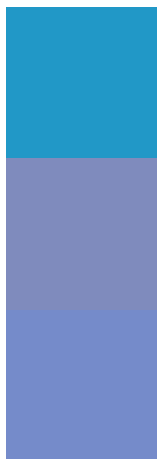


This preview shows how white text looks on a background with the Yxy color 26.9033, 0.2069, 0.2511.

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

26.9033, 0.2069, 0.2511

Protanopia

26.6514, 0.2571, 0.2522

Deuteranopia

26.5114, 0.2403, 0.2340



Tritanopia

26.9785, 0.2186, 0.3068

Trichromacy



Original Color

26.9033, 0.2069, 0.2511

Protanomaly

26.1239, 0.2308, 0.2501

Deuteranomaly

26.1420, 0.2224, 0.2387

Tritanomaly

26.8161, 0.2134, 0.2846

Monochromacy



Original Color

26.9033, 0.2069, 0.2511

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

21.1507, 0.2542, 0.2969

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.9033, 0.2069, 0.2511 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(33, 152, 199)` looks like.

```
.text, #text, p{  
    color:rgb(33, 152, 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(33, 152, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 152, 199) }
```

Border

The CSS property to change the border of an element to Yxy 26.9033, 0.2069, 0.2511 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(33, 152, 199) }
```

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

```
.border{ border-color:rgb(33, 152, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 152, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 152, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 152, 199);  
box-shadow:4px 4px 4px 4px rgb(33, 152,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 26.9033, 0.2069, 0.2511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 152, 199) }
```

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

```
.background{ background-color: rgb(33, 152,  
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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