

Converting Colors

$Yxy(21.2951, 0.1261, 0.3070)$

Have a look what the booklet for
Yxy(21.2951, 0.1261, 0.3070)
contains.

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Color

Yxy(26.4935, 0.2200, 0.3121)

Conversions

Conversions Part 1

Format	Color
Hex	009CA5
RGB	0, 156, 165
RGB Percent	0%, 61%, 65%
CMY	1.0000, 0.3882, 0.3530
CMYK	1.00, 0.05, 0.00, 0.35
HSL	183°, 100%, 32%
HSV	183°, 100%, 65%
XYZ	18.6753, 26.4935, 39.7190
YIQ	110.3820, -95.8650, -30.2730

Conversions

Conversions Part 2

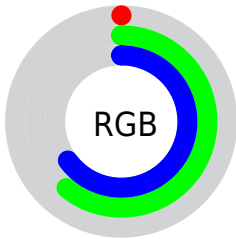
Format	Color
RYB	0, 80, 165
Decimal	40101
CIELab	58.50, -30.45, -14.45
CIELCh	59, 33.708, 205.386
Yxy	26.4935, 0.2200, 0.3121
Android (android.graphics.Color)	4278230181 (0xFF009CA5)
YUV	110.3820, 26.9267, -96.8050
Hunter-Lab	51.4718, -25.3112, -9.7217

Details

The Yxy color **26.4935, 0.2200, 0.3121** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.1925, 0.6356, 0.3335**, and the grayscale version is **15.6515, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.0830, 0.2384, 0.3166**, and **11.0929, 0.2181, 0.3050** is the 20% darker color. If you saturate the color by 10%, you get **26.4967, 0.2200, 0.3121**, and if you desaturate by 10%, it is **26.9136, 0.2222, 0.3139**.

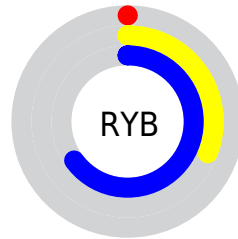
Distribution



Red (0%)

Green (61%)

Blue (65%)



Red (0%)

Yellow (31%)

Blue (65%)

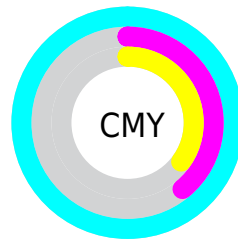


Cyan (100%)

Magenta (5%)

Yellow (0%)

Black (35%)



Cyan (100%)


Magenta (39%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.4935, 0.2200, 0.3121 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 26.4935, 0.2200, 0.3121 by changing the saturation by 10% instead.


 26.4935, 0.2200,
0.3121


 26.4935, 0.2200,
0.3121


285.1963, 0.2690,
0.3229


 17.1932, 0.2070,
0.3085


 54.0700, 0.2384,
0.3167

 10.3723, 0.1900,
0.3031


 73.1150, 0.2451,
0.3182

 5.6465, 0.1668,
0.2947

 96.1770, 0.2508,
0.3194

 2.6314, 0.1339,
0.2802

 123.6405, 0.2555,
0.3204

 0.9425, 0.0423,
0.2637

 155.8897, 0.2596,
0.3212

 0.0000, 0.0000,
0.0000

 193.3092, 0.2632,

0.3218

236.2832, 0.2663,
0.3224

■ 26.4935, 0.2200,
0.3121

■ 26.4935, 0.2200,
0.3121

■ 26.4967, 0.2200,
0.3121

■ 26.9136, 0.2222,
0.3139

■ 27.4269, 0.2257,
0.3157

■ 28.0757, 0.2310,
0.3175

■ 28.8774, 0.2381,
0.3193

■ 29.8467, 0.2471,
0.3211

■ 30.9963, 0.2578,
0.3228

■ 32.3381, 0.2699,
0.3245

■ 33.8825, 0.2833,
0.3261

■ 35.6396, 0.2977,
0.3276

Harmonies

Analogous

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



26.4935, 0.2524, 0.3699



26.4935, 0.2200, 0.3121



26.4935, 0.2109, 0.2668

Triad

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



26.4935, 0.2200, 0.3121



26.4935, 0.3149, 0.2584



26.4935, 0.4039, 0.4144

Complementary

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



26.4935, 0.2200, 0.3121



8.1925, 0.6356, 0.3335

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.



26.4935, 0.4258, 0.3766



26.4935, 0.2200, 0.3121



26.4935, 0.3724, 0.2907

Square

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



26.4935, 0.2200, 0.3121



26.4935, 0.2616, 0.2412



26.4935, 0.4146, 0.3324



26.4935, 0.3582, 0.4326

Rectangle

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



26.4935, 0.2200, 0.3121



26.4935, 0.2179, 0.2485



26.4935, 0.4146, 0.3324



26.4935, 0.4145, 0.4032

Sweetspot

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



26.4967, 0.2200, 0.3121



57.7856, 0.2692, 0.3244



26.9229, 0.2990, 0.5964



12.4160, 0.2642, 0.3238



82.7571, 0.3127, 0.3290



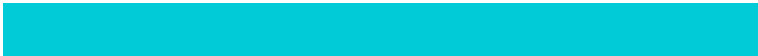
14.7319, 0.3127, 0.3290

Same Dimension

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



26.4967, 0.2200, 0.3121



47.3646, 0.2200, 0.3118



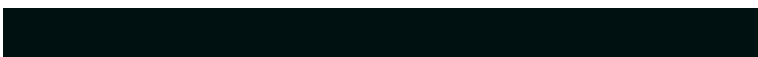
7.6462, 0.1731, 0.1430



7.9449, 0.2988, 0.3277



20.0730, 0.2201, 0.3123



0.4403, 0.2219, 0.3187

Inverse Universe

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



10.3984, 0.3349, 0.1619



18.6166, 0.3352, 0.1620



15.4358, 0.5250, 0.4213



7.1955, 0.3145, 0.3080



7.8705, 0.3347, 0.1618



0.1673, 0.3293, 0.1588

Previews

White Background



This preview shows how the Yxy color 26.4935, 0.2200, 0.3121 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 26.4935, 0.2200, 0.3121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

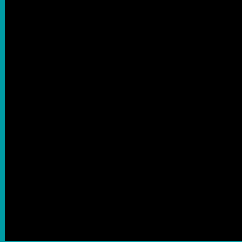
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

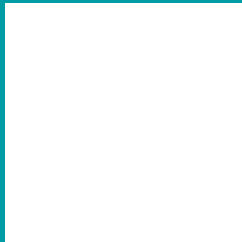
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 26.4935, 0.2200, 0.3121

Background



This preview shows how black text looks on a background with the Yxy color 26.4935, 0.2200, 0.3121.



This preview shows how white text looks on a background with the Yxy color 26.4935, 0.2200, 0.3121.

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

26.4935, 0.2200, 0.3121

Protanopia

26.2016, 0.2969, 0.3046

Deuteranopia

26.2449, 0.2840, 0.2786



Tritanopia

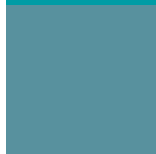
26.7142, 0.2202, 0.3068

Trichromacy



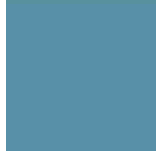
Original Color

26.4935, 0.2200, 0.3121



Protanomaly

24.7941, 0.2503, 0.3054



Deuteranomaly

24.8484, 0.2431, 0.2868



Tritanomaly

26.6315, 0.2200, 0.3085

Monochromacy



Original Color

26.4935, 0.2200, 0.3121



Achromatopsia

15.5926, 0.3127, 0.3290



Achromatomaly

18.0925, 0.2521, 0.3225

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.4935, 0.2200, 0.3121 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, 165)` looks like.

```
.text, #text, p{  
    color:rgb(0, 156, 165)  
}
```

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, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 156, 165) }
```

Border

The CSS property to change the border of an element to Yxy 26.4935, 0.2200, 0.3121 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, 165) }
```

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

```
.border{ border-color:rgb(0, 156, 165) }
```

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, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 156, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 156, 165);  
box-shadow:4px 4px 4px 4px rgb(0, 156,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 26.4935, 0.2200, 0.3121 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, 165) }
```

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

```
.background{ background-color: rgb(0, 156,  
165) }
```

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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