

Converting Colors

$Yxy(21.7896, 0.1406, 0.2317)$

Have a look what the booklet for
Yxy(21.7896, 0.1406, 0.2317)
contains.

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Color

Yxy(26.0297, 0.2012, 0.2441)

Conversions

Conversions Part 1

Format	Color
Hex	0196C9
RGB	1, 150, 201
RGB Percent	0%, 59%, 79%
CMY	0.9972, 0.4118, 0.2118
CMYK	1.00, 0.25, 0.00, 0.21
HSL	195°, 99%, 40%
HSV	195°, 100%, 79%
XYZ	21.4550, 26.0297, 59.1507
YIQ	111.2630, -105.1750, -15.7270

Conversions

Conversions Part 2

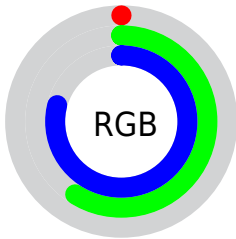
Format	Color
RYB	1, 86, 201
Decimal	104137
CIELab	58.07, -14.81, -35.49
CIELCh	58, 38.458, 247.354
Yxy	26.0297, 0.2012, 0.2441
Android (android.graphics.Color)	4278294217 (0xFF0196C9)
YUV	111.2630, 44.2403, -96.7007
Hunter-Lab	51.0193, -14.2196, -33.0260

Details

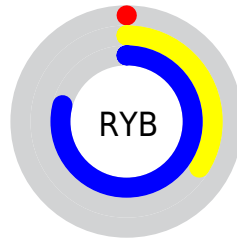
The Yxy color **26.0297, 0.2012, 0.2441** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **14.8509, 0.6067, 0.3560**, and the grayscale version is **15.8408, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.0584, 0.2236, 0.2648**, and **11.0303, 0.1946, 0.2207** is the 20% darker color. If you saturate the color by 10%, you get **25.9675, 0.2011, 0.2438**, and if you desaturate by 10%, it is **27.8530, 0.2056, 0.2535**.

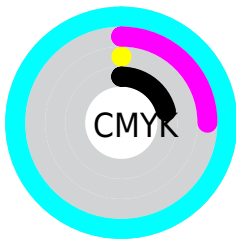
Distribution



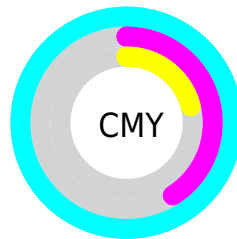
- Red (0%)
- Green (59%)
- Blue (79%)



- Red (0%)
- Yellow (34%)
- Blue (79%)



- Cyan (100%)
- Magenta (25%)
- Yellow (0%)
- Black (21%)



- Cyan (100%)
- Magenta (41%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.0297, 0.2012, 0.2441 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 26.0297, 0.2012, 0.2441 by changing the saturation by 10% instead.

■ 26.0297, 0.2012,
0.2441

■ 26.0297, 0.2012,
0.2441

■ 282.9278, 0.2590,
0.2903

■ 16.8459, 0.1866,
0.2316

■ 53.3229, 0.2224,
0.2617

■ 10.1247, 0.1680,
0.2152

■ 72.2010, 0.2304,
0.2680

■ 5.4817, 0.1437,
0.1929

■ 95.0793, 0.2370,
0.2734

■ 2.5326, 0.1117,
0.1616

■ 122.3422, 0.2427,
0.2778

■ 0.8929, 0.0642,
0.1176

■ 154.3741, 0.2476,
0.2816

■ 0.0000, 0.0000,
0.0000

191.5594, 0.2519,

0.2849

234.2826, 0.2557,
0.2878

■ 26.0297, 0.2012,
0.2441

■ 26.0297, 0.2012,
0.2441

■ 25.9675, 0.2011,
0.2438

■ 27.8530, 0.2056,
0.2535

■ 29.9072, 0.2116,
0.2630

■ 32.2451, 0.2196,
0.2725

■ 34.8960, 0.2295,
0.2819

■ 37.8846, 0.2410,
0.2910

■ 41.2328, 0.2540,
0.2998

■ 44.9602, 0.2680,
0.3080

■ 49.0850, 0.2828,
0.3157

■ 53.6239, 0.2980,
0.3228

Harmonies

Analogous

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



26.0297, 0.2005, 0.2854



26.0297, 0.2012, 0.2441



26.0297, 0.2272, 0.2283

Triad

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



26.0297, 0.2012, 0.2441



26.0297, 0.4039, 0.3029



26.0297, 0.3385, 0.4472

Complementary

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



26.0297, 0.2012, 0.2441



14.8509, 0.6067, 0.3560

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.



26.0297, 0.3974, 0.4381



26.0297, 0.2012, 0.2441



26.0297, 0.4396, 0.3515

Square

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



26.0297, 0.2012, 0.2441



26.0297, 0.3416, 0.2620



26.0297, 0.4358, 0.4002



26.0297, 0.2758, 0.4133

Rectangle

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



26.0297, 0.2012, 0.2441



26.0297, 0.2578, 0.2307



26.0297, 0.4358, 0.4002



26.0297, 0.3594, 0.4486

Sweetspot

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



26.0306, 0.2012, 0.2441



76.4566, 0.2669, 0.3074



42.0147, 0.2920, 0.5709



15.7682, 0.2608, 0.3039



0.0000, 0.0000, 0.0000



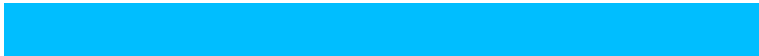
21.4041, 0.3127, 0.3290

Same Dimension

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



26.0306, 0.2012, 0.2441



44.0694, 0.2007, 0.2425



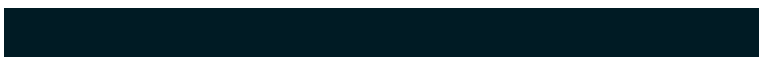
6.5709, 0.1580, 0.0886



11.5925, 0.2984, 0.3230



16.4807, 0.2014, 0.2451



0.8915, 0.2069, 0.2646

Inverse Universe

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



14.6346, 0.3981, 0.1968



24.9800, 0.3998, 0.1976



34.5294, 0.4717, 0.4634



10.7687, 0.3176, 0.3119



9.2037, 0.3971, 0.1961



0.4470, 0.3779, 0.1856

Previews

White Background



This preview shows how the Yxy color 26.0297, 0.2012, 0.2441 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 26.0297, 0.2012, 0.2441 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

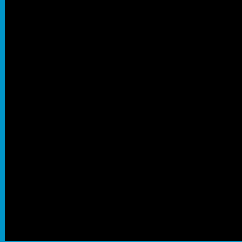
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.0297, 0.2012, 0.2441

Background



This preview shows how black text looks on a background with the Yxy color 26.0297, 0.2012, 0.2441.

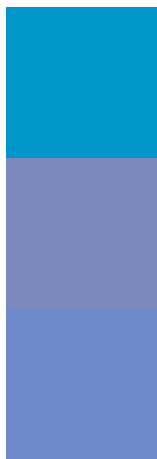


This preview shows how white text looks on a background with the Yxy color 26.0297, 0.2012, 0.2441.

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

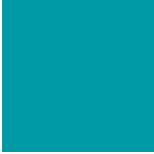
26.0362, 0.2012, 0.2441

Protanopia

25.8639, 0.2519, 0.2457

Deuteranopia

25.9161, 0.2345, 0.2290



Tritanopia

25.8644, 0.2185, 0.3065

Trichromacy



Original Color

26.0362, 0.2012, 0.2441



Protanomaly

24.9484, 0.2210, 0.2424



Deuteranomaly

24.9974, 0.2131, 0.2311



Tritanomaly

26.0371, 0.2118, 0.2824

Monochromacy



Original Color

26.0362, 0.2012, 0.2441



Achromatopsia

15.8961, 0.3127, 0.3290



Achromatomaly

18.0204, 0.2412, 0.2904

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.0297, 0.2012, 0.2441 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(1, 150, 201)` looks like.

```
.text, #text, p{  
    color:rgb(1, 150, 201)  
}
```

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(1, 150, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 150, 201) }
```

Border

The CSS property to change the border of an element to Yxy 26.0297, 0.2012, 0.2441 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(1, 150, 201) }
```

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

```
.border{ border-color:rgb(1, 150, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 150, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 150, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 150, 201);  
box-shadow:4px 4px 4px 4px rgb(1, 150,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 26.0297, 0.2012, 0.2441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 150, 201) }
```

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

```
.background{ background-color: rgb(1, 150,  
201) }
```

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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