

Converting Colors

$Y_{xy}(23.8181, 0.1906, 0.2060)$

Have a look what the booklet for
Yxy(23.8181, 0.1906, 0.2060)
contains.

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Color

Yxy(23.8246, 0.1906, 0.2060)

Conversions

Conversions Part 1

Format	Color
Hex	018CDA
RGB	1, 140, 218
RGB Percent	0%, 55%, 85%
CMY	0.9979, 0.4509, 0.1450
CMYK	1.00, 0.36, 0.00, 0.14
HSL	202°, 100%, 43%
HSV	202°, 100%, 86%
XYZ	22.0435, 23.8246, 69.7853
YIQ	107.3310, -107.8820, -5.2100

Conversions

Conversions Part 2

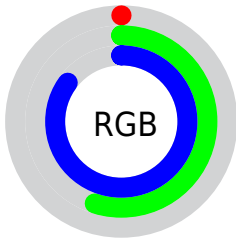
Format	Color
R_{YB}	1, 86, 218
Decimal	101594
CIE _{Lab}	55.91, -2.77, -48.45
CIE _{LCh}	56, 48.530, 266.731
Yxy	23.8246, 0.1906, 0.2060
Android (android.graphics.Color)	4278291674 (0xFF018CDA)
YUV	107.3310, 54.5598, -93.2523
Hunter-Lab	48.8104, -4.8050, -50.6008

Details

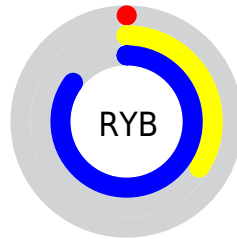
The Yxy color **23.8246, 0.1906, 0.2060** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **20.4387, 0.5823, 0.3756**, and the grayscale version is **14.6293, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.2435, 0.2217, 0.2505**, and **9.9567, 0.1825, 0.1770** is the 20% darker color. If you saturate the color by 10%, you get **23.7661, 0.1905, 0.2057**, and if you desaturate by 10%, it is **26.3641, 0.1961, 0.2195**.

Distribution



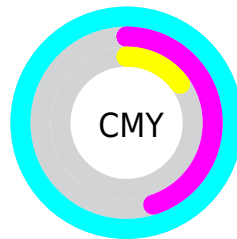
- Red (0%)
- Green (55%)
- Blue (85%)



- Red (0%)
- Yellow (34%)
- Blue (85%)



- Cyan (100%)
- Magenta (36%)
- Yellow (0%)
- Black (14%)



- Cyan (100%)
- Magenta (45%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.8246, 0.1906, 0.2060 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 23.8246, 0.1906, 0.2060 by changing the saturation by 10% instead.

■ 23.8246, 0.1906,
0.2060

■ 23.8246, 0.1906,
0.2060

271.9325, 0.2539,
0.2703

■ 15.2036, 0.1749,
0.1898

■ 49.7438, 0.2137,
0.2296

■ 8.9624, 0.1551,
0.1694

■ 67.8108, 0.2224,
0.2385

■ 4.7166, 0.1299,
0.1432

■ 89.7952, 0.2297,
0.2459

■ 2.0820, 0.0979,
0.1095

■ 116.0814, 0.2360,
0.2523

■ 0.6545, 0.0558,
0.0659

■ 147.0539, 0.2414,
0.2577

■ 0.0000, 0.0000,
0.0000

183.0969, 0.2461,

0.2625

224.5950, 0.2502,
0.2666

■ 23.8246, 0.1906,
0.2060

■ 23.8246, 0.1906,
0.2060

■ 23.7661, 0.1905,
0.2057

■ 26.3641, 0.1961,
0.2195

■ 29.2617, 0.2035,
0.2333

■ 32.5817, 0.2130,
0.2472

■ 36.3621, 0.2244,
0.2609

■ 40.6352, 0.2374,
0.2743

■ 45.4297, 0.2516,
0.2870

■ 50.7716, 0.2667,
0.2990

■ 56.6847, 0.2821,
0.3100

■ 63.1913, 0.2977,
0.3201

Harmonies

Analogous

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



23.8246, 0.1699, 0.2341



23.8246, 0.1906, 0.2060



23.8246, 0.2407, 0.2065

Triad

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



23.8246, 0.1906, 0.2060



23.8246, 0.4666, 0.3315



23.8246, 0.2900, 0.4649

Complementary

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



23.8246, 0.1906, 0.2060



20.4387, 0.5823, 0.3756

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.



23.8246, 0.3701, 0.4847



23.8246, 0.1906, 0.2060



23.8246, 0.4775, 0.3924

Square

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



23.8246, 0.1906, 0.2060



23.8246, 0.4045, 0.2753



23.8246, 0.4392, 0.4500



23.8246, 0.2205, 0.3863

Rectangle

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



23.8246, 0.1906, 0.2060



23.8246, 0.2897, 0.2205



23.8246, 0.4392, 0.4500



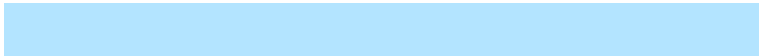
23.8246, 0.3167, 0.4790

Sweetspot

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



23.8253, 0.1906, 0.2060



71.9880, 0.2659, 0.2984



50.6918, 0.2857, 0.5483



14.6978, 0.2594, 0.2934



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.



23.8253, 0.1906, 0.2060



33.6015, 0.1902, 0.2045



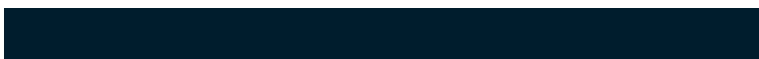
6.1633, 0.1533, 0.0715



14.0029, 0.2982, 0.3204



14.4447, 0.1910, 0.2077



1.0967, 0.1971, 0.2297

Inverse Universe

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



16.8150, 0.4385, 0.2191



23.9232, 0.4402, 0.2199



49.7781, 0.4487, 0.4818



13.1914, 0.3192, 0.3141



10.0820, 0.4367, 0.2179



0.6694, 0.4130, 0.2049

Previews

White Background



This preview shows how the Yxy color 23.8246, 0.1906, 0.2060 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 23.8246, 0.1906, 0.2060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

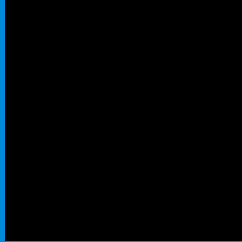
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8246, 0.1906, 0.2060

Background



This preview shows how black text looks on a background with the Yxy color 23.8246, 0.1906, 0.2060.

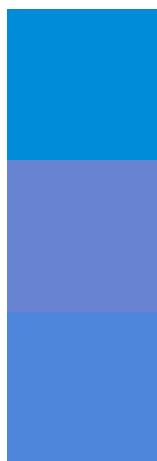


This preview shows how white text looks on a background with the Yxy color 23.8246, 0.1906, 0.2060.

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

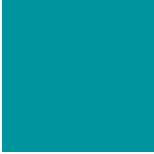
23.8246, 0.1906, 0.2060

Protanopia

23.8288, 0.2243, 0.2099

Deuteranopia

23.7844, 0.2063, 0.2006



Tritanopia

23.6830, 0.2188, 0.3075

Trichromacy



Original Color

23.8246, 0.1906, 0.2060

Protanomaly

23.0125, 0.2034, 0.2055

Deuteranomaly

23.4009, 0.1964, 0.2006

Tritanomaly

23.5461, 0.2071, 0.2656

Monochromacy



Original Color

23.8246, 0.1906, 0.2060

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

16.5292, 0.2343, 0.2718

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8246, 0.1906, 0.2060 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, 140, 218)` looks like.

```
.text, #text, p{  
    color:rgb(1, 140, 218)  
}
```

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, 140, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 140, 218) }
```

Border

The CSS property to change the border of an element to Yxy 23.8246, 0.1906, 0.2060 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, 140, 218) }
```

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

```
.border{ border-color:rgb(1, 140, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 140, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 140, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 140, 218);  
box-shadow:4px 4px 4px 4px rgb(1, 140,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8246, 0.1906, 0.2060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 140, 218) }
```

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

```
.background{ background-color: rgb(1, 140,  
218) }
```

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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