

Converting Colors

$Yxy(23.5203, 0.1926, 0.2134)$

Have a look what the booklet for
Yxy(23.5203, 0.1926, 0.2134)
contains.

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Color

Yxy(23.5096, 0.1925, 0.2128)

Conversions

Conversions Part 1

Format	Color
Hex	018CD4
RGB	1, 140, 212
RGB Percent	0%, 55%, 83%
CMY	0.9974, 0.4510, 0.1686
CMYK	1.00, 0.34, 0.00, 0.17
HSL	200°, 99%, 42%
HSV	200°, 100%, 83%
XYZ	21.2669, 23.5096, 65.7009
YIQ	106.6470, -105.9560, -7.0760

Conversions

Conversions Part 2

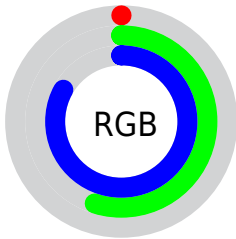
Format	Color
R_{YB}	1, 85, 212
Decimal	101588
CIE Lab	55.59, -5.05, -45.57
CIE LCh	56, 45.847, 263.681
Yxy	23.5096, 0.1925, 0.2128
Android (android.graphics.Color)	4278291668 (0xFF018CD4)
YUV	106.6470, 51.9390, -92.6524
Hunter-Lab	48.4867, -6.5593, -46.3990

Details

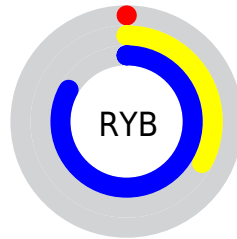
The Yxy color **23.5096, 0.1925, 0.2128** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **18.7196, 0.5866, 0.3721**, and the grayscale version is **14.4450, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.1266, 0.2210, 0.2503**, and **9.7467, 0.1847, 0.1848** is the 20% darker color. If you saturate the color by 10%, you get **23.4402, 0.1923, 0.2124**, and if you desaturate by 10%, it is **25.8556, 0.1979, 0.2256**.

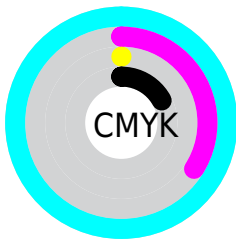
Distribution



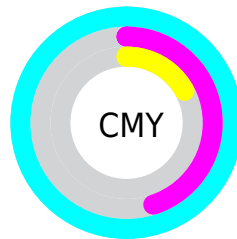
- Red (0%)
- Green (55%)
- Blue (83%)



- Red (0%)
- Yellow (33%)
- Blue (83%)



- Cyan (100%)
- Magenta (34%)
- Yellow (0%)
- Black (17%)



- Cyan (100%)
- Magenta (45%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.5096, 0.1925, 0.2128 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 23.5096, 0.1925, 0.2128 by changing the saturation by 10% instead.

■ 23.5096, 0.1925,
0.2128

■ 23.5096, 0.1925,
0.2128

270.3317, 0.2551,
0.2743

■ 14.9702, 0.1768,
0.1970

■ 49.2287, 0.2155,
0.2356

■ 8.7985, 0.1570,
0.1769

■ 67.1773, 0.2241,
0.2441

■ 4.6100, 0.1315,
0.1507

■ 89.0311, 0.2313,
0.2512

■ 2.0203, 0.0988,
0.1164

■ 115.1745, 0.2375,
0.2572

■ 0.6192, 0.0528,
0.0703

■ 145.9918, 0.2428,
0.2624

■ 0.0000, 0.0000,
0.0000

181.8675, 0.2475,

0.2669

223.1860, 0.2515,
0.2709

■ 23.5096, 0.1925,
0.2128

■ 23.5096, 0.1925,
0.2128

■ 23.4402, 0.1923,
0.2124

■ 25.8556, 0.1979,
0.2256

■ 28.5233, 0.2050,
0.2386

■ 31.5725, 0.2143,
0.2518

■ 35.0381, 0.2254,
0.2647

■ 38.9499, 0.2382,
0.2773

■ 43.3341, 0.2522,
0.2894

■ 48.2147, 0.2670,
0.3006

■ 53.6134, 0.2823,
0.3111

■ 59.5509, 0.2978,
0.3206

Harmonies

Analogous

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



23.5096, 0.1755, 0.2434



23.5096, 0.1925, 0.2128



23.5096, 0.2380, 0.2105

Triad

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



23.5096, 0.1925, 0.2128



23.5096, 0.4548, 0.3263



23.5096, 0.2995, 0.4619

Complementary

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



23.5096, 0.1925, 0.2128



18.7196, 0.5866, 0.3721

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.



23.5096, 0.3758, 0.4755



23.5096, 0.1925, 0.2128



23.5096, 0.4710, 0.3848

Square

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



23.5096, 0.1925, 0.2128



23.5096, 0.3921, 0.2729



23.5096, 0.4394, 0.4403



23.5096, 0.2309, 0.3923

Rectangle

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



23.5096, 0.1925, 0.2128



23.5096, 0.2833, 0.2224



23.5096, 0.4394, 0.4403



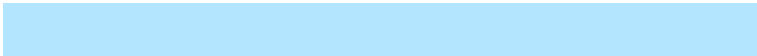
23.5096, 0.3251, 0.4733

Sweetspot

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



23.5103, 0.1925, 0.2128



72.7465, 0.2661, 0.3000



47.5454, 0.2868, 0.5523



14.8789, 0.2597, 0.2952



0.0000, 0.0000, 0.0000



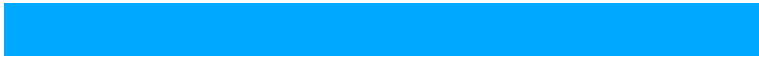
21.4041, 0.3127, 0.3290

Same Dimension

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



23.5103, 0.1925, 0.2128



35.2676, 0.1920, 0.2111



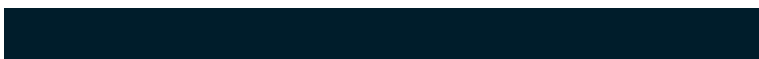
6.0123, 0.1540, 0.0739



13.3621, 0.2982, 0.3209



14.6639, 0.1928, 0.2142



1.0353, 0.1990, 0.2364

Inverse Universe

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



15.9039, 0.4310, 0.2149



24.0914, 0.4329, 0.2158



45.3527, 0.4523, 0.4789



12.5574, 0.3189, 0.3137



9.8252, 0.4295, 0.2140



0.6078, 0.4060, 0.2010

Previews

White Background



This preview shows how the Yxy color 23.5096, 0.1925, 0.2128 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 23.5096, 0.1925, 0.2128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

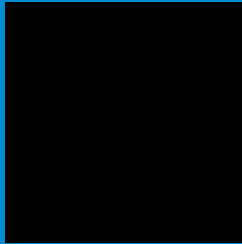
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.5096, 0.1925, 0.2128

Background



This preview shows how black text looks on a background with the Yxy color 23.5096, 0.1925, 0.2128.

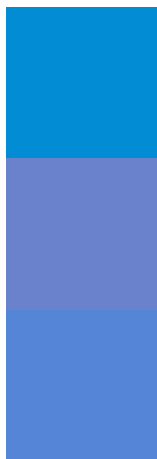


This preview shows how white text looks on a background with the Yxy color 23.5096, 0.1925, 0.2128.

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

23.5161, 0.1925, 0.2128

Protanopia

23.3412, 0.2293, 0.2166

Deuteranopia

23.5149, 0.2110, 0.2052

Trichromacy



Original Color

23.5161, 0.1925, 0.2128

Protanomaly

22.7354, 0.2072, 0.2137

Deuteranomaly

23.1967, 0.1998, 0.2075

Monochromacy



Original Color

23.5161, 0.1925, 0.2128

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

16.4669, 0.2357, 0.2754

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5096, 0.1925, 0.2128 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, 212)` looks like.

```
.text, #text, p{  
    color:rgb(1, 140, 212)  
}
```

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, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 140, 212) }
```

Border

The CSS property to change the border of an element to Yxy 23.5096, 0.1925, 0.2128 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, 212) }
```

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

```
.border{ border-color:rgb(1, 140, 212) }
```

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, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 140, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 140, 212);  
box-shadow:4px 4px 4px 4px rgb(1, 140,  
212) }
```

Background

The CSS property to change the background color of an element to Yxy 23.5096, 0.1925, 0.2128 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, 212) }
```

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

```
.background{ background-color: rgb(1, 140,  
212) }
```

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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