

Converting Colors

$Yxy(15.7372, 0.0789, 0.1565)$

Have a look what the booklet for
Yxy(15.7372, 0.0789, 0.1565)
contains.

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Color

Yxy(23.5485, 0.1861, 0.1898)

Conversions

Conversions Part 1

Format	Color
Hex	0189E5
RGB	1, 137, 229
RGB Percent	0%, 54%, 90%
CMY	0.9978, 0.4628, 0.1021
CMYK	1.00, 0.40, 0.00, 0.10
HSL	204°, 100%, 45%
HSV	204°, 100%, 90%
XYZ	23.0894, 23.5485, 77.4321
YIQ	106.8240, -110.5880, -0.2200

Conversions

Conversions Part 2

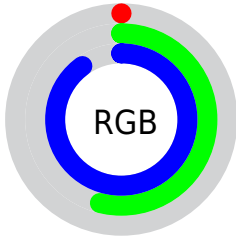
Format	Color
R _Y B	1, 86, 229
Decimal	100837
CIE Lab	55.63, 3.22, -55.01
CIE LCh	56, 55.108, 273.348
Yxy	23.5485, 0.1861, 0.1898
Android (android.graphics.Color)	4278290917 (0xFF0189E5)
YUV	106.8240, 60.2328, -92.8076
Hunter-Lab	48.5268, 0.0098, -60.6378

Details

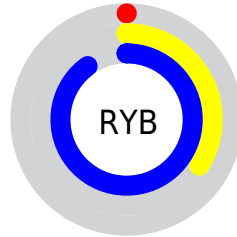
The Yxy color **23.5485, 0.1861, 0.1898** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **24.4016, 0.5706, 0.3849**, and the grayscale version is **14.4660, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.0502, 0.2216, 0.2466**, and **9.9966, 0.1782, 0.1615** is the 20% darker color. If you saturate the color by 10%, you get **23.4806, 0.1860, 0.1894**, and if you desaturate by 10%, it is **26.4674, 0.1921, 0.2049**.

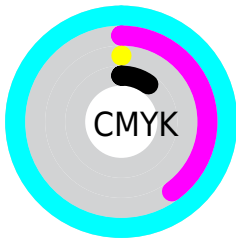
Distribution



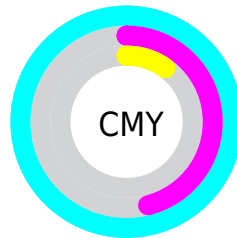
- Red (0%)
- Green (54%)
- Blue (90%)



- Red (0%)
- Yellow (34%)
- Blue (90%)



- Cyan (100%)
- Magenta (40%)
- Yellow (0%)
- Black (10%)



- Cyan (100%)
- Magenta (46%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.5485, 0.1861, 0.1898 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 23.5485, 0.1861, 0.1898 by changing the saturation by 10% instead.

■ 23.5485, 0.1861,
0.1898

■ 23.5485, 0.1861,
0.1898

■ 270.5298, 0.2514,
0.2609

■ 14.9990, 0.1701,
0.1727

■ 49.2924, 0.2098,
0.2154

■ 8.8187, 0.1503,
0.1514

■ 67.2556, 0.2187,
0.2251

■ 4.6231, 0.1253,
0.1249

■ 89.1256, 0.2263,
0.2334

■ 2.0279, 0.0940,
0.0922

■ 115.2866, 0.2328,
0.2405

■ 0.6236, 0.0559,
0.0520

■ 146.1232, 0.2384,
0.2466

■ 0.0000, 0.0000,
0.0000

182.0197, 0.2433,

0.2520

223.3604, 0.2476,
0.2567

■ 23.5485, 0.1861,
0.1898

■ 23.5485, 0.1861,
0.1898

■ 23.4806, 0.1860,
0.1894

■ 26.4674, 0.1921,
0.2049

■ 29.8326, 0.2000,
0.2204

■ 33.7162, 0.2102,
0.2362

■ 38.1627, 0.2223,
0.2518

■ 43.2100, 0.2359,
0.2670

■ 48.8921, 0.2506,
0.2815

■ 55.2396, 0.2661,
0.2951

■ 62.2807, 0.2819,
0.3076

■ 70.0419, 0.2976,
0.3190

Harmonies

Analogous

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



23.5485, 0.1568, 0.2119



23.5485, 0.1861, 0.1898



23.5485, 0.2480, 0.1970

Triad

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



23.5485, 0.1861, 0.1898



23.5485, 0.4955, 0.3436



23.5485, 0.2660, 0.4714

Complementary

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



23.5485, 0.1861, 0.1898



24.4016, 0.5706, 0.3849

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.



23.5485, 0.3547, 0.5086



23.5485, 0.1861, 0.1898



23.5485, 0.4920, 0.4108

Square

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



23.5485, 0.1861, 0.1898



23.5485, 0.4366, 0.2809



23.5485, 0.4372, 0.4747



23.5485, 0.1951, 0.3699

Rectangle

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



23.5485, 0.1861, 0.1898



23.5485, 0.3066, 0.2159



23.5485, 0.4372, 0.4747



23.5485, 0.2948, 0.4931

Sweetspot

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



23.5492, 0.1861, 0.1898



70.1607, 0.2655, 0.2945



56.7952, 0.2819, 0.5346



14.2623, 0.2588, 0.2889



0.0000, 0.0000, 0.0000



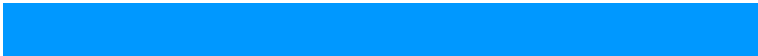
21.4041, 0.3127, 0.3290

Same Dimension

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



23.5492, 0.1861, 0.1898



29.7799, 0.1857, 0.1886



6.2880, 0.1517, 0.0660



15.3117, 0.2981, 0.3193



13.6714, 0.1866, 0.1918



1.1912, 0.1927, 0.2139

Inverse Universe

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



18.4709, 0.4570, 0.2292



23.5374, 0.4584, 0.2299



60.8574, 0.4382, 0.4902



14.5118, 0.3199, 0.3151



10.5778, 0.4547, 0.2279



0.7999, 0.4299, 0.2142

Previews

White Background



This preview shows how the Yxy color 23.5485, 0.1861, 0.1898 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 23.5485, 0.1861, 0.1898 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

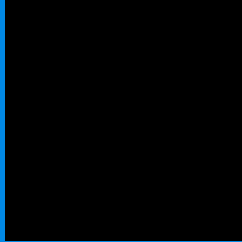
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.5485, 0.1861, 0.1898

Background



This preview shows how black text looks on a background with the Yxy color 23.5485, 0.1861, 0.1898.



This preview shows how white text looks on a background with the Yxy color 23.5485, 0.1861, 0.1898.

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

23.5549, 0.1861, 0.1898

Protanopia

23.6189, 0.2118, 0.1941

Deuteranopia

23.5756, 0.1934, 0.1870

Trichromacy



Original Color

23.5549, 0.1861, 0.1898

Protanomaly

23.1720, 0.1963, 0.1908

Deuteranomaly

23.3984, 0.1889, 0.1869

Monochromacy



Original Color

23.5549, 0.1861, 0.1898

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

16.4202, 0.2310, 0.2625

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5485, 0.1861, 0.1898 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, 137, 229)` looks like.

```
.text, #text, p{  
    color:rgb(1, 137, 229)  
}
```

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, 137, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 137, 229) }
```

Border

The CSS property to change the border of an element to Yxy 23.5485, 0.1861, 0.1898 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, 137, 229) }
```

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

```
.border{ border-color:rgb(1, 137, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 137, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 137, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 137, 229);  
box-shadow:4px 4px 4px 4px rgb(1, 137,  
229) }
```

Background

The CSS property to change the background color of an element to Yxy 23.5485, 0.1861, 0.1898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 137, 229) }
```

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

```
.background{ background-color: rgb(1, 137,  
229) }
```

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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