

Converting Colors

$Yxy(23.1303, 0.1738, 0.1851)$

Have a look what the booklet for
Yxy(23.1303, 0.1738, 0.1851)
contains.

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Color

Yxy(24.3484, 0.1858, 0.1890)

Conversions

Conversions Part 1

Format	Color
Hex	008BE9
RGB	0, 139, 233
RGB Percent	0%, 55%, 91%
CMY	1.0000, 0.4549, 0.0862
CMYK	1.00, 0.40, 0.00, 0.09
HSL	204°, 100%, 46%
HSV	204°, 100%, 91%
XYZ	23.9362, 24.3484, 80.5430
YIQ	108.1550, -113.0180, -0.2340

Conversions

Conversions Part 2

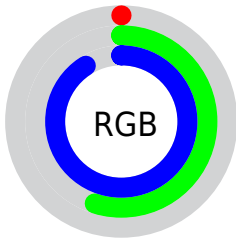
Format	Color
RYB	0, 87, 233
Decimal	35817
CIELab	56.43, 3.53, -55.99
CIElCh	56, 56.101, 273.607
Yxy	24.3484, 0.1858, 0.1890
Android (android.graphics.Color)	4278225897 (0xFF008BE9)
YUV	108.1550, 61.5486, -94.8519
Hunter-Lab	49.3441, 0.2358, -62.2365

Details

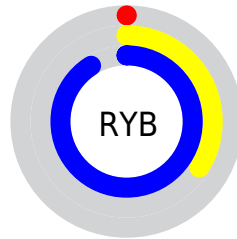
The Yxy color **24.3484, 0.1858, 0.1890** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **25.3335, 0.5712, 0.3847**, and the grayscale version is **14.8929, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.9834, 0.2226, 0.2493**, and **10.4867, 0.1781, 0.1611** is the 20% darker color. If you saturate the color by 10%, you get **24.3533, 0.1858, 0.1890**, and if you desaturate by 10%, it is **27.3798, 0.1918, 0.2041**.

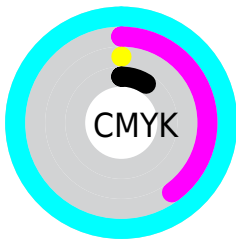
Distribution



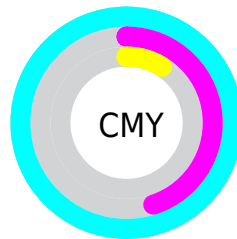
- Red (0%)
- Green (55%)
- Blue (91%)



- Red (0%)
- Yellow (34%)
- Blue (91%)



- Cyan (100%)
- Magenta (40%)
- Yellow (0%)
- Black (9%)





- Cyan (100%)
- Magenta (45%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.3484, 0.1858, 0.1890 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 24.3484, 0.1858, 0.1890 by changing the saturation by 10% instead.


 24.3484, 0.1858,
0.1890


 24.3484, 0.1858,
0.1890


274.5772, 0.2509,
0.2600


 15.5923, 0.1700,
0.1720


 50.5981, 0.2093,
0.2145

 9.2361, 0.1504,
0.1511


 68.8605, 0.2182,
0.2242


 4.8955, 0.1259,
0.1251

 91.0605, 0.2258,
0.2324

 2.1861, 0.0953,
0.0930

 117.5824, 0.2323,
0.2395

 0.7124, 0.0586,
0.0547

 148.8106, 0.2379,
0.2457

 0.0000, 0.0000,
0.0000

185.1295, 0.2428,

0.2511

226.9236, 0.2471,
0.2558

■ 24.3484, 0.1858,
0.1890

■ 24.3484, 0.1858,
0.1890

■ 24.3533, 0.1858,
0.1890

■ 27.3798, 0.1918,
0.2041

■ 30.8697, 0.1997,
0.2197

■ 34.8991, 0.2098,
0.2355

■ 39.5149, 0.2218,
0.2512

■ 44.7570, 0.2354,
0.2665

■ 50.6607, 0.2502,
0.2810

■ 57.2582, 0.2657,
0.2947

■ 64.5792, 0.2815,
0.3072

■ 72.6512, 0.2972,
0.3187

Harmonies

Analogous

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



24.3484, 0.1561, 0.2108



24.3484, 0.1858, 0.1890



24.3484, 0.2483, 0.1965

Triad

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



24.3484, 0.1858, 0.1890



24.3484, 0.4970, 0.3441



24.3484, 0.2649, 0.4718

Complementary

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



24.3484, 0.1858, 0.1890



25.3335, 0.5712, 0.3847

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.



24.3484, 0.3540, 0.5099



24.3484, 0.1858, 0.1890



24.3484, 0.4927, 0.4116

Square

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



24.3484, 0.1858, 0.1890



24.3484, 0.4382, 0.2810



24.3484, 0.4371, 0.4759



24.3484, 0.1939, 0.3691

Rectangle

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



24.3484, 0.1858, 0.1890



24.3484, 0.3074, 0.2156



24.3484, 0.4371, 0.4759



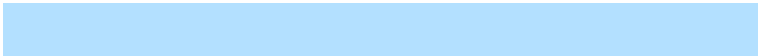
24.3484, 0.2938, 0.4940

Sweetspot

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



24.3533, 0.1858, 0.1890



70.1296, 0.2654, 0.2945



59.0829, 0.2820, 0.5353



14.2549, 0.2588, 0.2888



0.0000, 0.0000, 0.0000



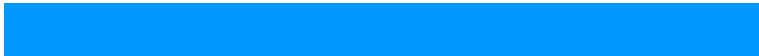
21.4041, 0.3127, 0.3290

Same Dimension

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



24.3533, 0.1858, 0.1890



29.7174, 0.1857, 0.1883



6.5092, 0.1516, 0.0657



16.0434, 0.2981, 0.3193



14.0654, 0.1865, 0.1913



1.2923, 0.1923, 0.2124

Inverse Universe

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



19.1914, 0.4579, 0.2296



23.5311, 0.4587, 0.2301



63.2807, 0.4383, 0.4902



15.2049, 0.3200, 0.3150



10.9127, 0.4552, 0.2281



0.8759, 0.4315, 0.2151

Previews

White Background



This preview shows how the Yxy color 24.3484, 0.1858, 0.1890 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 24.3484, 0.1858, 0.1890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

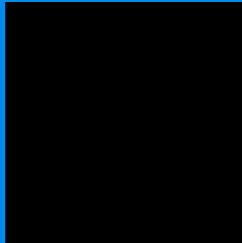
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

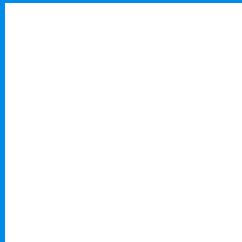
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.3484, 0.1858, 0.1890

Background



This preview shows how black text looks on a background with the Yxy color 24.3484, 0.1858, 0.1890.



This preview shows how white text looks on a background with the Yxy color 24.3484, 0.1858, 0.1890.

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

24.3484, 0.1858, 0.1890

Protanopia

24.1565, 0.2109, 0.1918

Deuteranopia

24.3611, 0.1929, 0.1862



Tritanopia

24.3508, 0.2193, 0.3096

Trichromacy



Original Color

24.3484, 0.1858, 0.1890

Protanomaly

23.6680, 0.1953, 0.1884

Deuteranomaly

24.1892, 0.1885, 0.1862

Tritanomaly

24.1456, 0.2047, 0.2567

Monochromacy



Original Color

24.3484, 0.1858, 0.1890

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

16.7588, 0.2307, 0.2612

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3484, 0.1858, 0.1890 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, 139, 233)` looks like.

```
.text, #text, p{  
  color:rgb(0, 139, 233)  
}
```

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, 139, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 139, 233) }
```

Border

The CSS property to change the border of an element to Yxy 24.3484, 0.1858, 0.1890 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, 139, 233) }
```

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

```
.border{ border-color:rgb(0, 139, 233) }
```

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

Here you see how a box with a 4 pixel rgb(0, 139, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 139, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 139, 233);  
box-shadow:4px 4px 4px 4px rgb(0, 139,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3484, 0.1858, 0.1890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 139, 233) }
```

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

```
.background{ background-color: rgb(0, 139,  
233) }
```

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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