

Converting Colors

$Yxy(23.1172, 0.1843, 0.1835)$

Have a look what the booklet for
Yxy(23.1172, 0.1843, 0.1835)
contains.

Yxy(23.1541, 0.1844, 0.1838)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(23.1541, 0.1844, 0.1838)

Conversions

Conversions Part 1

Format	Color
Hex	0087E8
RGB	0, 135, 232
RGB Percent	0%, 53%, 91%
CMY	0.9998, 0.4706, 0.0902
CMYK	1.00, 0.42, 0.00, 0.09
HSL	205°, 100%, 46%
HSV	205°, 100%, 91%
XYZ	23.2297, 23.1541, 79.5906
YIQ	105.6930, -111.5970, 1.5470

Conversions

Conversions Part 2

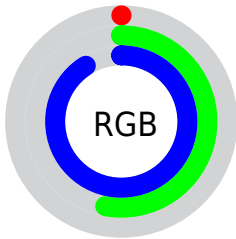
Format	Color
R _Y B	0, 85, 232
Decimal	34792
CIE Lab	55.23, 5.58, -57.35
CIE LCh	55, 57.622, 275.560
Yxy	23.1541, 0.1844, 0.1838
Android (android.graphics.Color)	4278224872 (0xFF0087E8)
YUV	105.6930, 62.2694, -92.6928
Hunter-Lab	48.1187, 1.9645, -64.3854

Details

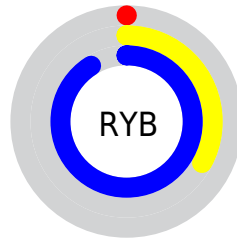
The Yxy color **23.1541, 0.1844, 0.1838** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **25.7170, 0.5668, 0.3881**, and the grayscale version is **14.1799, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.2506, 0.2215, 0.2440**, and **9.7902, 0.1763, 0.1546** is the 20% darker color. If you saturate the color by 10%, you get **23.1477, 0.1844, 0.1838**, and if you desaturate by 10%, it is **26.1717, 0.1905, 0.1994**.

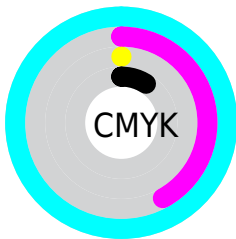
Distribution



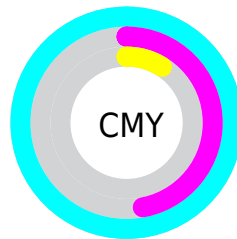
- Red (0%)
- Green (53%)
- Blue (91%)



- Red (0%)
- Yellow (33%)
- Blue (91%)



- Cyan (100%)
- Magenta (42%)
- Yellow (0%)
- Black (9%)





- Cyan (100%)
- Magenta (47%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.1541, 0.1844, 0.1838 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 23.1541, 0.1844, 0.1838 by changing the saturation by 10% instead.


 23.1541, 0.1844,
0.1838


 23.1541, 0.1844,
0.1838


268.5155, 0.2506,
0.2574


 14.7073, 0.1683,
0.1663


 48.6462, 0.2084,
0.2102


 8.6142, 0.1483,
0.1447


 66.4604, 0.2175,
0.2202


 4.4904, 0.1232,
0.1181

 88.1658, 0.2251,
0.2288

 1.9515, 0.0921,
0.0857

 114.1469, 0.2317,
0.2361

 0.5791, 0.0547,
0.0461

 144.7880, 0.2374,
0.2425

 0.0000, 0.0000,
0.0000

180.4735, 0.2424,

0.2481

221.5879, 0.2467,
0.2530

■ 23.1541, 0.1844,
0.1838

■ 23.1541, 0.1844,
0.1838

■ 23.1477, 0.1844,
0.1838

■ 26.1717, 0.1905,
0.1994

■ 29.6633, 0.1986,
0.2155

■ 33.7055, 0.2089,
0.2319

■ 38.3453, 0.2212,
0.2483

■ 43.6227, 0.2350,
0.2641

■ 49.5734, 0.2500,
0.2792

■ 56.2297, 0.2656,
0.2934

■ 63.6214, 0.2815,
0.3065

■ 71.7764, 0.2973,
0.3183

Harmonies

Analogous

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



23.1541, 0.1519, 0.2036



23.1541, 0.1844, 0.1838



23.1541, 0.2509, 0.1935

Triad

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



23.1541, 0.1844, 0.1838



23.1541, 0.5064, 0.3479



23.1541, 0.2566, 0.4736

Complementary

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



23.1541, 0.1844, 0.1838



25.7170, 0.5668, 0.3881

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.



23.1541, 0.3483, 0.5183



23.1541, 0.1844, 0.1838



23.1541, 0.4968, 0.4177

Square

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



23.1541, 0.1844, 0.1838



23.1541, 0.4493, 0.2828



23.1541, 0.4357, 0.4844



23.1541, 0.1855, 0.3629

Rectangle

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



23.1541, 0.1844, 0.1838



23.1541, 0.3134, 0.2142



23.1541, 0.4357, 0.4844



23.1541, 0.2862, 0.4986

Sweetspot

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



23.1548, 0.1844, 0.1838



69.5231, 0.2653, 0.2932



58.5729, 0.2806, 0.5302



14.1107, 0.2586, 0.2873



0.0000, 0.0000, 0.0000



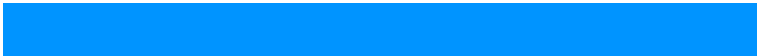
21.4041, 0.3127, 0.3290

Same Dimension

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



23.1548, 0.1844, 0.1838



28.5115, 0.1842, 0.1830



6.3057, 0.1512, 0.0644



15.2732, 0.2981, 0.3189



13.1047, 0.1851, 0.1863



1.1510, 0.1914, 0.2092

Inverse Universe

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



18.9069, 0.4640, 0.2330



23.4094, 0.4650, 0.2335



64.5813, 0.4349, 0.4928



14.5079, 0.3202, 0.3154



10.5206, 0.4611, 0.2314



0.7959, 0.4350, 0.2170

Previews

White Background



This preview shows how the Yxy color 23.1541, 0.1844, 0.1838 looks on a white background.

Color Contrast Check

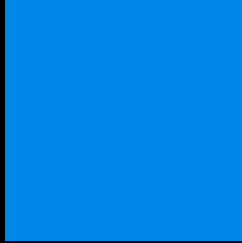
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1541, 0.1844, 0.1838 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

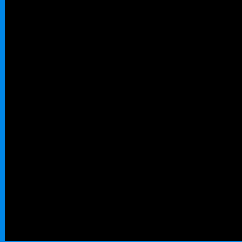
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

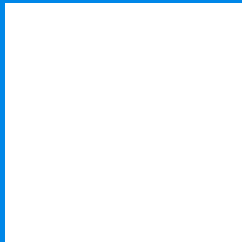
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.1541, 0.1844, 0.1838

Background



This preview shows how black text looks on a background with the Yxy color 23.1541, 0.1844, 0.1838.



This preview shows how white text looks on a background with the Yxy color 23.1541, 0.1844, 0.1838.

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

23.1541, 0.1844, 0.1838

Protanopia

23.0532, 0.2067, 0.1864

Deuteranopia

23.0935, 0.1889, 0.1825



Tritanopia

22.9581, 0.2192, 0.3091

Trichromacy



Original Color

23.1541, 0.1844, 0.1838

Protanomaly

22.7039, 0.1935, 0.1845

Deuteranomaly

23.1094, 0.1865, 0.1831

Tritanomaly

22.8067, 0.2038, 0.2536

Monochromacy



Original Color

23.1541, 0.1844, 0.1838

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

16.1829, 0.2291, 0.2585

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1541, 0.1844, 0.1838 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, 135, 232)` looks like.

```
.text, #text, p{  
    color:rgb(0, 135, 232)  
}
```

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, 135, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 135, 232) }
```

Border

The CSS property to change the border of an element to Yxy 23.1541, 0.1844, 0.1838 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, 135, 232) }
```

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

```
.border{ border-color:rgb(0, 135, 232) }
```

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

Here you see how a box with a 4 pixel rgb(0, 135, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 135, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 135, 232);  
box-shadow:4px 4px 4px 4px rgb(0, 135,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1541, 0.1844, 0.1838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 135, 232) }
```

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

```
.background{ background-color: rgb(0, 135,  
232) }
```

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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