

Converting Colors

$Y_{xy}(23.8151, 0.1851, 0.1836)$

Have a look what the booklet for
Yxy(23.8151, 0.1851, 0.1836)
contains.

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Color

Yxy(23.6846, 0.1849, 0.1828)

Conversions

Conversions Part 1

Format	Color
Hex	0C88EB
RGB	12, 136, 235
RGB Percent	5%, 53%, 92%
CMY	0.9517, 0.4667, 0.0783
CMYK	0.95, 0.42, 0.00, 0.08
HSL	207°, 90%, 48%
HSV	207°, 95%, 92%
XYZ	23.9567, 23.6846, 81.9244
YIQ	110.2100, -105.6830, 4.5010

Conversions

Conversions Part 2

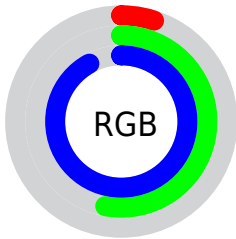
Format	Color
RYB	12, 92, 235
Decimal	821483
CIELab	55.77, 6.48, -58.16
CIElCh	56, 58.524, 276.360
Yxy	23.6846, 0.1849, 0.1828
Android (android.graphics.Color)	4279011563 (0xFF0C88EB)
YUV	110.2100, 61.5215, -86.1302
Hunter-Lab	48.6668, 2.7013, -65.7403

Details

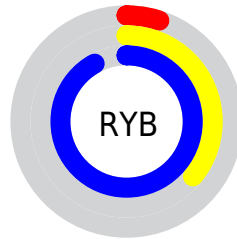
The Yxy color **23.6846, 0.1849, 0.1828** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **29.1404, 0.5482, 0.3988**, and the grayscale version is **15.5270, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.8664, 0.2230, 0.2456**, and **10.0307, 0.1763, 0.1545** is the 20% darker color. If you saturate the color by 10%, you get **22.1010, 0.1818, 0.1743**, and if you desaturate by 10%, it is **27.0653, 0.1922, 0.1996**.

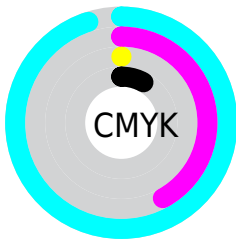
Distribution



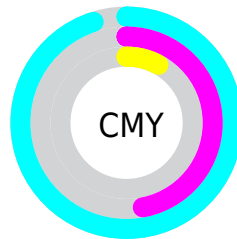
- Red (5%)
- Green (53%)
- Blue (92%)



- Red (5%)
- Yellow (36%)
- Blue (92%)



- Cyan (95%)
- Magenta (42%)
- Yellow (0%)
- Black (8%)





- Cyan (95%)
- Magenta (47%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6846, 0.1849, 0.1828 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 23.6846, 0.1849, 0.1828 by changing the saturation by 10% instead.


 23.6846, 0.1849,
0.1828


 23.6846, 0.1849,
0.1828


271.2220, 0.2506,
0.2565


 15.0998, 0.1690,
0.1654


 49.5150, 0.2086,
0.2091

 8.8895, 0.1492,
0.1441


 67.5295, 0.2177,
0.2191

 4.6692, 0.1245,
0.1178

 89.4559, 0.2253,
0.2277

 2.0545, 0.0938,
0.0859

 115.6787, 0.2318,
0.2351

 0.6388, 0.0574,
0.0479

 146.5824, 0.2375,
0.2415

 0.0000, 0.0000,
0.0000

182.5512, 0.2424,

0.2471

223.9696, 0.2468,
0.2521

■ 23.6846, 0.1849,
0.1828

■ 23.6846, 0.1849,
0.1828

■ 22.1010, 0.1818,
0.1743

■ 27.0653, 0.1922,
0.1996

■ 31.0167, 0.2019,
0.2170

■ 35.5941, 0.2136,
0.2345

■ 40.8432, 0.2272,
0.2517

■ 46.8039, 0.2420,
0.2683

■ 53.5123, 0.2576,
0.2840

■ 61.0017, 0.2737,
0.2985

■ 69.3027, 0.2897,
0.3118

■ 78.4442, 0.3054,
0.3237

Harmonies

Analogous

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



23.6846, 0.1514, 0.2018



23.6846, 0.1849, 0.1828



23.6846, 0.2527, 0.1933

Triad

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



23.6846, 0.1849, 0.1828



23.6846, 0.5085, 0.3496



23.6846, 0.2537, 0.4725

Complementary

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



23.6846, 0.1849, 0.1828



29.1404, 0.5482, 0.3988

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.



23.6846, 0.3458, 0.5199



23.6846, 0.1849, 0.1828



23.6846, 0.4969, 0.4199

Square

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



23.6846, 0.1849, 0.1828



23.6846, 0.4527, 0.2841



23.6846, 0.4342, 0.4868



23.6846, 0.1832, 0.3600

Rectangle

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



23.6846, 0.1849, 0.1828



23.6846, 0.3161, 0.2145



23.6846, 0.4342, 0.4868



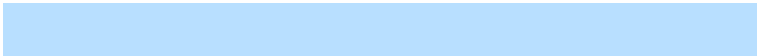
23.6846, 0.2833, 0.4985

Sweetspot

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



23.6853, 0.1849, 0.1828



70.2694, 0.2683, 0.2937



60.6117, 0.2773, 0.5153



14.2092, 0.2613, 0.2874



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.



23.6853, 0.1849, 0.1828



26.4480, 0.1816, 0.1736



6.8716, 0.1531, 0.0677



15.9361, 0.2981, 0.3183



12.5561, 0.1825, 0.1769



1.1774, 0.1888, 0.1998

Inverse Universe

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



19.7144, 0.4646, 0.2358



23.2011, 0.4763, 0.2397



68.9735, 0.4301, 0.4946



15.1941, 0.3206, 0.3160



10.7604, 0.4723, 0.2375



0.8643, 0.4455, 0.2228

Previews

White Background



This preview shows how the Yxy color 23.6846, 0.1849, 0.1828 looks on a white background.

Color Contrast Check

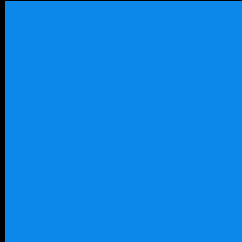
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6846, 0.1849, 0.1828 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

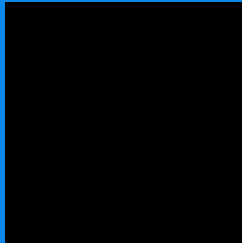
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

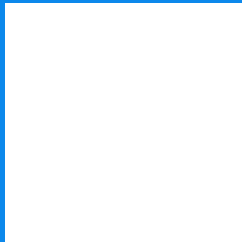
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.6846, 0.1849, 0.1828

Background



This preview shows how black text looks on a background with the Yxy color 23.6846, 0.1849, 0.1828.



This preview shows how white text looks on a background with the Yxy color 23.6846, 0.1849, 0.1828.

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

23.6846, 0.1849, 0.1828

Protanopia

23.4815, 0.2058, 0.1851

Deuteranopia

23.7574, 0.1882, 0.1825



Tritanopia

23.6484, 0.2193, 0.3094

Trichromacy



Original Color

23.6846, 0.1849, 0.1828

Protanomaly

23.2641, 0.1942, 0.1837

Deuteranomaly

23.5873, 0.1864, 0.1820

Tritanomaly

23.5175, 0.2044, 0.2545

Monochromacy



Original Color

23.6846, 0.1849, 0.1828

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

17.0161, 0.2329, 0.2584

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6846, 0.1849, 0.1828 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(12, 136, 235)` looks like.

```
.text, #text, p{  
    color:rgb(12, 136, 235)  
}
```

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(12, 136, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 136, 235) }
```

Border

The CSS property to change the border of an element to Yxy 23.6846, 0.1849, 0.1828 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(12, 136, 235) }
```

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

```
.border{ border-color:rgb(12, 136, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 136, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 136, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 136, 235);  
box-shadow:4px 4px 4px 4px rgb(12, 136,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6846, 0.1849, 0.1828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 136, 235) }
```

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

```
.background{ background-color: rgb(12, 136,  
235) }
```

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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