

Converting Colors

$Y_{xy}(15.2058, 0.1850, 0.1799)$

Have a look what the booklet for
Yxy(15.2058, 0.1850, 0.1799)
contains.

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Color

Yxy(15.2022, 0.1849, 0.1797)

Conversions

Conversions Part 1

Format	Color
Hex	106EC3
RGB	16, 110, 195
RGB Percent	6%, 43%, 76%
CMY	0.9371, 0.5686, 0.2352
CMYK	0.92, 0.44, 0.00, 0.24
HSL	209°, 85%, 41%
HSV	209°, 92%, 76%
XYZ	15.6421, 15.2022, 53.7534
YIQ	91.5840, -83.3090, 6.5070

Conversions

Conversions Part 2

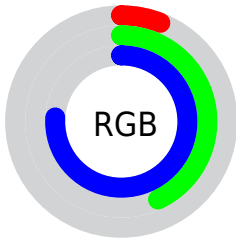
Format	Color
RYB	16, 78, 195
Decimal	1076931
CIELab	45.91, 7.15, -51.33
CIElCh	46, 51.823, 277.931
Yxy	15.2022, 0.1849, 0.1797
Android (android.graphics.Color)	4279267011 (0xFF106EC3)
YUV	91.5840, 50.9841, -66.2872
Hunter-Lab	38.9900, 3.3786, -54.4468

Details

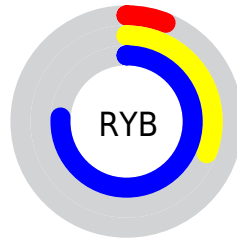
The Yxy color **15.2022, 0.1849, 0.1797** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **20.9622, 0.5312, 0.4084**, and the grayscale version is **10.5001, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.1707, 0.2115, 0.2098**, and **5.4781, 0.1734, 0.1443** is the 20% darker color. If you saturate the color by 10%, you get **13.5186, 0.1793, 0.1656**, and if you desaturate by 10%, it is **17.5637, 0.1934, 0.1976**.

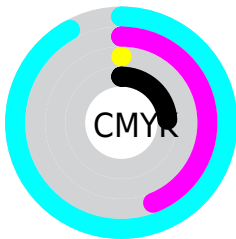
Distribution



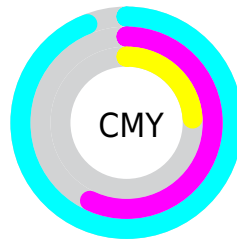
- Red (6%)
- Green (43%)
- Blue (76%)



- Red (6%)
- Yellow (31%)
- Blue (76%)



- Cyan (92%)
- Magenta (44%)
- Yellow (0%)
- Black (24%)



- Cyan (94%)
- Magenta (57%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.2022, 0.1849, 0.1797 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 15.2022, 0.1849, 0.1797 by changing the saturation by 10% instead.

■ 15.2022, 0.1849,
0.1797

■ 15.2022, 0.1849,
0.1797

■ 224.5868, 0.2554,
0.2601

■ 8.9614, 0.1662,
0.1591

■ 35.2075, 0.2116,
0.2097

■ 4.7160, 0.1421,
0.1331

■ 49.7408, 0.2214,
0.2208

■ 2.0816, 0.1110,
0.1003

■ 67.8071, 0.2295,
0.2301

■ 0.6543, 0.0719,
0.0591

■ 89.7908, 0.2364,
0.2379

■ 0.0000, 0.0000,
0.0000

■ 116.0762, 0.2422,
0.2447

■ 147.0477, 0.2472,

0.2505

183.0898, 0.2516,
0.2556

■ 15.2022, 0.1849,
0.1797

■ 15.2022, 0.1849,
0.1797

■ 13.5186, 0.1793,
0.1656

■ 17.5637, 0.1934,
0.1976

■ 20.3302, 0.2042,
0.2160

■ 23.5352, 0.2170,
0.2345

■ 27.2074, 0.2313,
0.2526

■ 31.3721, 0.2467,
0.2699

■ 36.0527, 0.2626,
0.2861

■ 41.2704, 0.2787,
0.3011

■ 47.0453, 0.2946,
0.3147

■ 53.3962, 0.3100,
0.3270

Harmonies

Analogous

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



15.2022, 0.1492, 0.1970



15.2022, 0.1849, 0.1797



15.2022, 0.2557, 0.1918

Triad

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



15.2022, 0.1849, 0.1797



15.2022, 0.5144, 0.3529



15.2022, 0.2473, 0.4719

Complementary

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



15.2022, 0.1849, 0.1797



20.9622, 0.5312, 0.4084

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.



15.2022, 0.3407, 0.5250



15.2022, 0.1849, 0.1797



15.2022, 0.4985, 0.4246

Square

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



15.2022, 0.1849, 0.1797



15.2022, 0.4609, 0.2861



15.2022, 0.4319, 0.4930



15.2022, 0.1774, 0.3542

Rectangle

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



15.2022, 0.1849, 0.1797



15.2022, 0.3216, 0.2142



15.2022, 0.4319, 0.4930



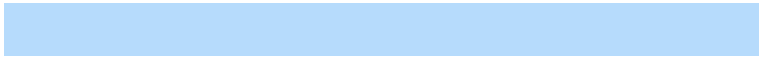
15.2022, 0.2772, 0.5001

Sweetspot

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



15.2026, 0.1849, 0.1797



67.5690, 0.2680, 0.2913



40.0630, 0.2731, 0.4971



13.9331, 0.2609, 0.2845



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.



15.2026, 0.1849, 0.1797



23.7022, 0.1786, 0.1631



4.6255, 0.1546, 0.0691



10.6034, 0.2984, 0.3178



8.9535, 0.1800, 0.1679



0.5241, 0.1908, 0.2069

Inverse Universe

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



13.1026, 0.4677, 0.2402



22.4599, 0.4892, 0.2469



48.0627, 0.4230, 0.4981



10.1643, 0.3209, 0.3170



8.1861, 0.4833, 0.2436



0.3676, 0.4375, 0.2184

Previews

White Background



This preview shows how the Yxy color 15.2022, 0.1849, 0.1797 looks on a white 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

Black Background



This preview shows how the Yxy color 15.2022, 0.1849, 0.1797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

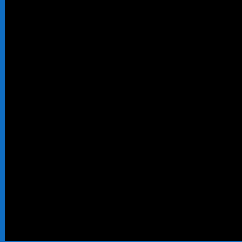
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.2022, 0.1849, 0.1797

Background



This preview shows how black text looks on a background with the Yxy color 15.2022, 0.1849, 0.1797.



This preview shows how white text looks on a background with the Yxy color 15.2022, 0.1849, 0.1797.

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

15.2022, 0.1849, 0.1797

Protanopia

15.0861, 0.2033, 0.1826

Deuteranopia

15.1702, 0.1844, 0.1796



Tritanopia

15.0179, 0.2188, 0.3077

Trichromacy



Original Color

15.2022, 0.1849, 0.1797

Protanomaly

14.9993, 0.1938, 0.1807

Deuteranomaly

15.1776, 0.1845, 0.1796

Tritanomaly

14.8294, 0.2037, 0.2502

Monochromacy



Original Color

15.2022, 0.1849, 0.1797

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

11.5986, 0.2363, 0.2601

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.2022, 0.1849, 0.1797 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(16, 110, 195)` looks like.

```
.text, #text, p{  
    color:rgb(16, 110, 195)  
}
```

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(16, 110, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 110, 195) }
```

Border

The CSS property to change the border of an element to Yxy 15.2022, 0.1849, 0.1797 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(16, 110, 195) }
```

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

```
.border{ border-color:rgb(16, 110, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 110, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 110, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 110, 195);  
box-shadow:4px 4px 4px 4px rgb(16, 110,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 15.2022, 0.1849, 0.1797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 110, 195) }
```

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

```
.background{ background-color: rgb(16, 110,  
195) }
```

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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