

Converting Colors

$Y_{xy}(19.7978, 0.1397, 0.1638)$

Have a look what the booklet for
Yxy(19.7978, 0.1397, 0.1638)
contains.

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Color

Yxy(23.5010, 0.1829, 0.1784)

Conversions

Conversions Part 1

Format	Color
Hex	0087EE
RGB	0, 135, 238
RGB Percent	0%, 53%, 93%
CMY	0.9998, 0.4706, 0.0668
CMYK	1.00, 0.43, 0.00, 0.07
HSL	206°, 100%, 47%
HSV	206°, 100%, 93%
XYZ	24.0938, 23.5010, 84.1373
YIQ	106.3770, -113.5230, 3.4130

Conversions

Conversions Part 2

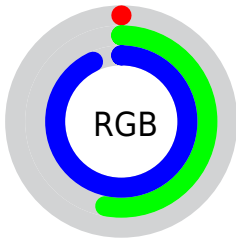
Format	Color
R _Y B	0, 86, 238
Decimal	34798
CIE Lab	55.58, 7.89, -60.11
CIE LCh	56, 60.623, 277.474
Yxy	23.5010, 0.1829, 0.1784
Android (android.graphics.Color)	4278224878 (0xFF0087EE)
YUV	106.3770, 64.8901, -93.2926
Hunter-Lab	48.4778, 3.8794, -68.9682

Details

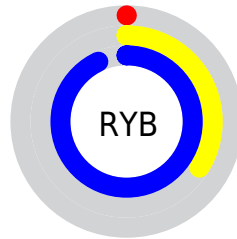
The Yxy color **23.5010, 0.1829, 0.1784** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **27.8798, 0.5629, 0.3913**, and the grayscale version is **14.3692, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.3746, 0.2223, 0.2442**, and **9.9918, 0.1750, 0.1498** is the 20% darker color. If you saturate the color by 10%, you get **23.4943, 0.1829, 0.1784**, and if you desaturate by 10%, it is **26.7085, 0.1891, 0.1945**.

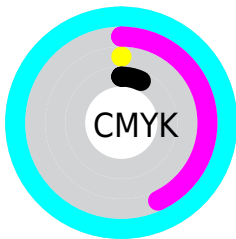
Distribution



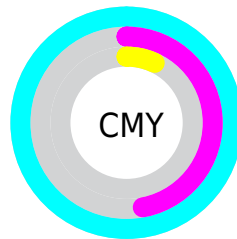
- Red (0%)
- Green (53%)
- Blue (93%)



- Red (0%)
- Yellow (34%)
- Blue (93%)



- Cyan (100%)
- Magenta (43%)
- Yellow (0%)
- Black (7%)



- Cyan (100%)
- Magenta (47%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.5010, 0.1829, 0.1784 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 23.5010, 0.1829, 0.1784 by changing the saturation by 10% instead.

■ 23.5010, 0.1829,
0.1784

■ 23.5010, 0.1829,
0.1784

270.2879, 0.2495,
0.2538

■ 14.9639, 0.1668,
0.1608

■ 49.2147, 0.2069,
0.2052

■ 8.7940, 0.1470,
0.1393

■ 67.1600, 0.2160,
0.2155

■ 4.6071, 0.1223,
0.1130

■ 89.0102, 0.2238,
0.2242

■ 2.0186, 0.0918,
0.0815

■ 115.1497, 0.2304,
0.2318

■ 0.6183, 0.0559,
0.0443

■ 145.9628, 0.2362,
0.2384

■ 0.0000, 0.0000,
0.0000

181.8339, 0.2412,

0.2442

223.1475, 0.2456,
0.2493

■ 23.5010, 0.1829,
0.1784

■ 23.5010, 0.1829,
0.1784

■ 23.4943, 0.1829,
0.1784

■ 26.7085, 0.1891,
0.1945

■ 30.4364, 0.1974,
0.2112

■ 34.7663, 0.2079,
0.2282

■ 39.7490, 0.2204,
0.2451

■ 45.4277, 0.2345,
0.2616

■ 51.8411, 0.2496,
0.2774

■ 59.0242, 0.2654,
0.2921

■ 67.0096, 0.2814,
0.3056

■ 75.8272, 0.2973,
0.3179

Harmonies

Analogous

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



23.5010, 0.1475, 0.1962



23.5010, 0.1829, 0.1784



23.5010, 0.2537, 0.1902

Triad

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



23.5010, 0.1829, 0.1784



23.5010, 0.5163, 0.3517



23.5010, 0.2478, 0.4753

Complementary

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



23.5010, 0.1829, 0.1784



27.8798, 0.5629, 0.3913

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.



23.5010, 0.3421, 0.5274



23.5010, 0.1829, 0.1784



23.5010, 0.5009, 0.4239

Square

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



23.5010, 0.1829, 0.1784



23.5010, 0.4613, 0.2845



23.5010, 0.4340, 0.4935



23.5010, 0.1767, 0.3562

Rectangle

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



23.5010, 0.1829, 0.1784



23.5010, 0.3200, 0.2125



23.5010, 0.4340, 0.4935



23.5010, 0.2780, 0.5035

Sweetspot

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



23.5017, 0.1829, 0.1784



68.9288, 0.2651, 0.2919



62.0408, 0.2807, 0.5304



13.9695, 0.2584, 0.2858



0.0000, 0.0000, 0.0000



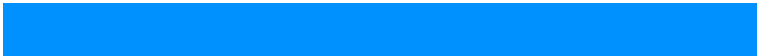
21.4041, 0.3127, 0.3290

Same Dimension

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



23.5017, 0.1829, 0.1784



27.3597, 0.1827, 0.1778



6.6684, 0.1512, 0.0643



16.7168, 0.2980, 0.3185



13.3723, 0.1836, 0.1809



1.3099, 0.1895, 0.2021

Inverse Universe

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



19.9239, 0.4704, 0.2365



23.2931, 0.4712, 0.2369



68.3945, 0.4350, 0.4928



15.9091, 0.3204, 0.3157



11.1433, 0.4675, 0.2349



0.9469, 0.4429, 0.2213

Previews

White Background



This preview shows how the Yxy color 23.5010, 0.1829, 0.1784 looks on a white background.

Color Contrast Check

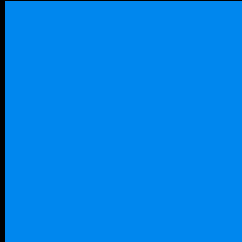
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5010, 0.1829, 0.1784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

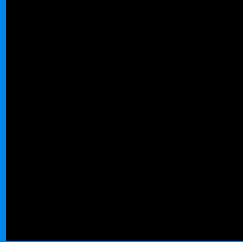
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

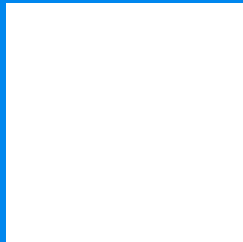
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.5010, 0.1829, 0.1784

Background



This preview shows how black text looks on a background with the Yxy color 23.5010, 0.1829, 0.1784.



This preview shows how white text looks on a background with the Yxy color 23.5010, 0.1829, 0.1784.

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

23.5010, 0.1829, 0.1784

Protanopia

23.4580, 0.2026, 0.1817

Deuteranopia

23.6604, 0.1846, 0.1789



Tritanopia

23.3018, 0.2192, 0.3093

Trichromacy



Original Color

23.5010, 0.1829, 0.1784

Protanomaly

22.9574, 0.1907, 0.1788

Deuteranomaly

23.5866, 0.1838, 0.1787

Tritanomaly

23.1901, 0.2035, 0.2526

Monochromacy



Original Color

23.5010, 0.1829, 0.1784

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

16.2490, 0.2278, 0.2551

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5010, 0.1829, 0.1784 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, 238)` looks like.

```
.text, #text, p{  
    color:rgb(0, 135, 238)  
}
```

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, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 135, 238) }
```

Border

The CSS property to change the border of an element to Yxy 23.5010, 0.1829, 0.1784 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, 238) }
```

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

```
.border{ border-color:rgb(0, 135, 238) }
```

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, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 135, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 135, 238);  
box-shadow:4px 4px 4px 4px rgb(0, 135,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5010, 0.1829, 0.1784 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, 238) }
```

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

```
.background{ background-color: rgb(0, 135,  
238) }
```

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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