

Converting Colors

$Y_{xy}(15.7571, 0.0884, 0.1520)$

Have a look what the booklet for
Yxy(15.7571, 0.0884, 0.1520)
contains.

Yxy(22.8764, 0.1840, 0.1823)	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(22.8764, 0.1840, 0.1823)

Conversions

Conversions Part 1

Format	Color
Hex	0086E8
RGB	0, 134, 232
RGB Percent	0%, 53%, 91%
CMY	0.9988, 0.4745, 0.0903
CMYK	1.00, 0.42, 0.00, 0.09
HSL	205°, 100%, 46%
HSV	205°, 100%, 91%
XYZ	23.0897, 22.8764, 79.5215
YIQ	105.1060, -111.3220, 2.0700

Conversions

Conversions Part 2

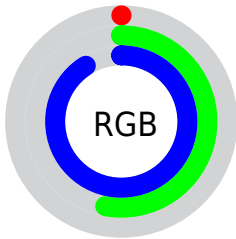
Format	Color
R _Y B	0, 85, 232
Decimal	34536
CIE Lab	54.94, 6.19, -57.79
CIE LCh	55, 58.122, 276.110
Yxy	22.8764, 0.1840, 0.1823
Android (android.graphics.Color)	4278224616 (0xFF0086E8)
YUV	105.1060, 62.5587, -92.1780
Hunter-Lab	47.8293, 2.4702, -65.0958

Details

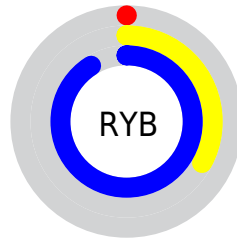
The Yxy color **22.8764, 0.1840, 0.1823** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **25.9409, 0.5652, 0.3893**, and the grayscale version is **14.0330, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.8248, 0.2212, 0.2427**, and **9.6316, 0.1758, 0.1527** is the 20% darker color. If you saturate the color by 10%, you get **22.8383, 0.1839, 0.1821**, and if you desaturate by 10%, it is **25.9023, 0.1902, 0.1981**.

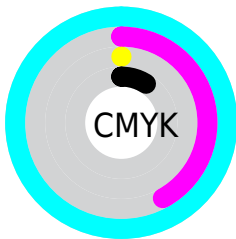
Distribution



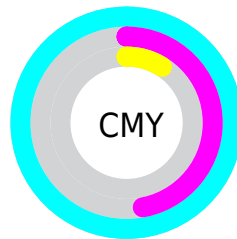
- Red (0%)
- Green (53%)
- Blue (91%)



- 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 22.8764, 0.1840, 0.1823 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 22.8764, 0.1840, 0.1823 by changing the saturation by 10% instead.

■ 22.8764, 0.1840,
0.1823

■ 22.8764, 0.1840,
0.1823

267.0895, 0.2505,
0.2566

■ 14.5023, 0.1678,
0.1646

■ 48.1903, 0.2081,
0.2089

■ 8.4708, 0.1477,
0.1430

■ 65.8989, 0.2172,
0.2191

■ 4.3977, 0.1225,
0.1162

■ 87.4877, 0.2249,
0.2277

■ 1.8984, 0.0913,
0.0838

■ 113.3411, 0.2315,
0.2351

■ 0.5474, 0.0538,
0.0438

■ 143.8437, 0.2373,
0.2416

■ 0.0000, 0.0000,
0.0000

179.3797, 0.2422,

0.2472

220.3335, 0.2466,
0.2522

■ 22.8764, 0.1840,
0.1823

■ 22.8764, 0.1840,
0.1823

■ 22.8383, 0.1839,
0.1821

■ 25.9023, 0.1902,
0.1981

■ 29.4086, 0.1984,
0.2144

■ 33.4714, 0.2088,
0.2310

■ 38.1375, 0.2211,
0.2475

■ 43.4471, 0.2350,
0.2635

■ 49.4362, 0.2500,
0.2788

■ 56.1371, 0.2657,
0.2931

■ 63.5798, 0.2816,
0.3063

■ 71.7924, 0.2975,
0.3183

Harmonies

Analogous

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



22.8764, 0.1507, 0.2016



22.8764, 0.1840, 0.1823



22.8764, 0.2517, 0.1926

Triad

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



22.8764, 0.1840, 0.1823



22.8764, 0.5092, 0.3490



22.8764, 0.2541, 0.4740

Complementary

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



22.8764, 0.1840, 0.1823



25.9409, 0.5652, 0.3893

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.



22.8764, 0.3466, 0.5208



22.8764, 0.1840, 0.1823



22.8764, 0.4980, 0.4194

Square

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



22.8764, 0.1840, 0.1823



22.8764, 0.4526, 0.2833



22.8764, 0.4353, 0.4869



22.8764, 0.1831, 0.3611

Rectangle

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



22.8764, 0.1840, 0.1823



22.8764, 0.3153, 0.2137



22.8764, 0.4353, 0.4869



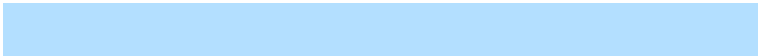
22.8764, 0.2839, 0.4999

Sweetspot

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



22.8771, 0.1840, 0.1823



69.3312, 0.2652, 0.2927



58.5598, 0.2806, 0.5299



14.0651, 0.2586, 0.2868



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.



22.8771, 0.1840, 0.1823



28.1362, 0.1837, 0.1813



6.3136, 0.1513, 0.0645



15.2616, 0.2981, 0.3188



12.9369, 0.1846, 0.1846



1.1390, 0.1910, 0.2077

Inverse Universe

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



18.8793, 0.4658, 0.2340



23.3715, 0.4670, 0.2346



64.5734, 0.4349, 0.4928



14.5068, 0.3202, 0.3155



10.5037, 0.4631, 0.2325



0.7947, 0.4366, 0.2179

Previews

White Background



This preview shows how the Yxy color 22.8764, 0.1840, 0.1823 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 22.8764, 0.1840, 0.1823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

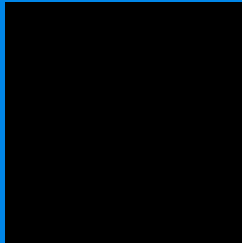
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

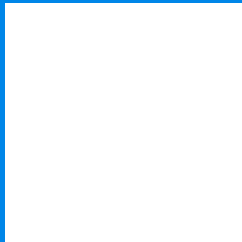
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.8764, 0.1840, 0.1823

Background



This preview shows how black text looks on a background with the Yxy color 22.8764, 0.1840, 0.1823.



This preview shows how white text looks on a background with the Yxy color 22.8764, 0.1840, 0.1823.

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

22.8764, 0.1840, 0.1823

Protanopia

22.9556, 0.2057, 0.1861

Deuteranopia

22.9946, 0.1879, 0.1821



Tritanopia

22.6174, 0.2192, 0.3090

Trichromacy



Original Color

22.8764, 0.1840, 0.1823

Protanomaly

22.3789, 0.1925, 0.1828

Deuteranomaly

22.7954, 0.1857, 0.1814

Tritanomaly

22.4687, 0.2037, 0.2532

Monochromacy



Original Color

22.8764, 0.1840, 0.1823

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

15.9184, 0.2294, 0.2581

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8764, 0.1840, 0.1823 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, 134, 232)` looks like.

```
.text, #text, p{  
  color:rgb(0, 134, 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, 134, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 134, 232) }
```

Border

The CSS property to change the border of an element to Yxy 22.8764, 0.1840, 0.1823 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, 134, 232) }
```

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

```
.border{ border-color:rgb(0, 134, 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, 134, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 134, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 134, 232);  
box-shadow:4px 4px 4px 4px rgb(0, 134,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8764, 0.1840, 0.1823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 134, 232) }
```

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

```
.background{ background-color: rgb(0, 134,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor