

Converting Colors

$Yxy(15.5197, 0.0878, 0.1269)$

Have a look what the booklet for
Yxy(15.5197, 0.0878, 0.1269)
contains.

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Color

Yxy(23.3884, 0.1778, 0.1599)

Conversions

Conversions Part 1

Format	Color
Hex	0183FE
RGB	1, 131, 254
RGB Percent	0%, 51%, 100%
CMY	0.9970, 0.4863, 0.0041
CMYK	1.00, 0.48, 0.00, 0.00
HSL	209°, 99%, 50%
HSV	209°, 100%, 100%
XYZ	26.0066, 23.3884, 96.8739
YIQ	106.1520, -116.9630, 10.6930

Conversions

Conversions Part 2

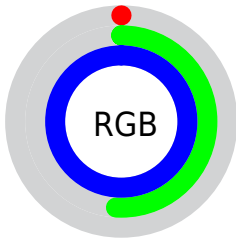
Format	Color
R_{YB}	1, 87, 254
Decimal	99326
CIE _{Lab}	55.47, 16.54, -69.13
CIE _{LCh}	55, 71.086, 283.456
Yxy	23.3884, 0.1778, 0.1599
Android (android.graphics.Color)	4278289406 (0xFF0183FE)
YUV	106.1520, 72.8891, -92.2183
Hunter-Lab	48.3616, 11.3563, -84.9118

Details

The Yxy color **23.3884, 0.1778, 0.1599** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark saturated azure. A complement of this color would be **35.4107, 0.5473, 0.4034**, and the grayscale version is **14.2548, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.5317, 0.2226, 0.2379**, and **10.1720, 0.1702, 0.1326** is the 20% darker color. If you saturate the color by 10%, you get **23.2852, 0.1776, 0.1594**, and if you desaturate by 10%, it is **27.1181, 0.1845, 0.1775**.

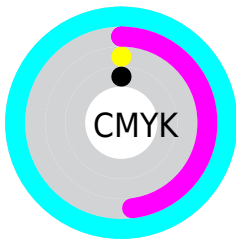
Distribution



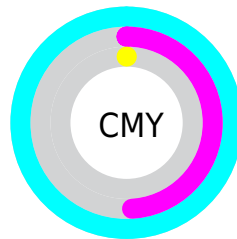
- Red (0%)
- Green (51%)
- Blue (100%)



- Red (0%)
- Yellow (34%)
- Blue (100%)



- Cyan (100%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)





- Cyan (100%)
- Magenta (49%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3884, 0.1778, 0.1599 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 23.3884, 0.1778, 0.1599 by changing the saturation by 10% instead.


 23.3884, 0.1778,
0.1599


 23.3884, 0.1778,
0.1599


269.7137, 0.2465,
0.2417


 14.8806, 0.1616,
0.1418


 49.0303, 0.2023,
0.1881


 8.7356, 0.1419,
0.1203


 66.9331, 0.2117,
0.1992


 4.5691, 0.1178,
0.0950

 88.7364, 0.2197,
0.2088

 1.9967, 0.0886,
0.0660

 114.8246, 0.2266,
0.2171

 0.6056, 0.0552,
0.0339

 145.5820, 0.2325,
0.2244

 0.0000, 0.0000,
0.0000

181.3931, 0.2378,

0.2308

222.6422, 0.2424,
0.2366

■ 23.3884, 0.1778,
0.1599

■ 23.3884, 0.1778,
0.1599

■ 23.2852, 0.1776,
0.1594

■ 27.1181, 0.1845,
0.1775

■ 31.5345, 0.1934,
0.1961

■ 36.7317, 0.2047,
0.2152

■ 42.7728, 0.2181,
0.2344

■ 49.7121, 0.2329,
0.2532

■ 57.5982, 0.2488,
0.2710

■ 66.4754, 0.2651,
0.2877

■ 76.3848, 0.2815,
0.3030

■ 87.3646, 0.2976,
0.3169

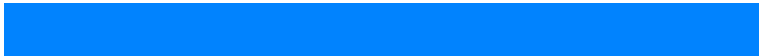
Harmonies

Analogous

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



23.3884, 0.1324, 0.1708



23.3884, 0.1778, 0.1599



23.3884, 0.2646, 0.1790

Triad

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



23.3884, 0.1778, 0.1599



23.3884, 0.5497, 0.3634



23.3884, 0.2154, 0.4797

Complementary

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



23.3884, 0.1778, 0.1599



35.4107, 0.5473, 0.4034

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.



23.3884, 0.3180, 0.5619



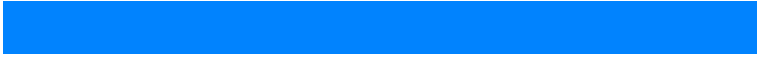
23.3884, 0.1778, 0.1599



23.3884, 0.5118, 0.4449

Square

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



23.3884, 0.1778, 0.1599



23.3884, 0.5055, 0.2897



23.3884, 0.4245, 0.5270



23.3884, 0.1462, 0.3298

Rectangle

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



23.3884, 0.1778, 0.1599



23.3884, 0.3451, 0.2068



23.3884, 0.4245, 0.5270



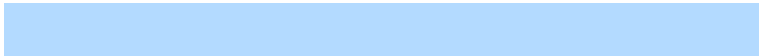
23.3884, 0.2474, 0.5208

Sweetspot

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



23.3890, 0.1778, 0.1599



66.8084, 0.2646, 0.2872



72.2955, 0.2748, 0.5091



13.4671, 0.2577, 0.2803



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.



23.3890, 0.1778, 0.1599



23.4959, 0.1776, 0.1594



7.2661, 0.1503, 0.0609



18.9230, 0.2979, 0.3172



12.5776, 0.1784, 0.1622



1.4434, 0.1840, 0.1824

Inverse Universe

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



22.7180, 0.4932, 0.2492



22.9031, 0.4939, 0.2495



89.2732, 0.4222, 0.5028



18.1431, 0.3213, 0.3168



11.9977, 0.4903, 0.2475



1.1903, 0.4657, 0.2339

Previews

White Background



This preview shows how the Yxy color 23.3884, 0.1778, 0.1599 looks on a white background.

Color Contrast Check

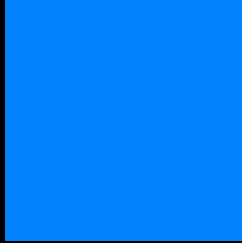
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.3884, 0.1778, 0.1599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

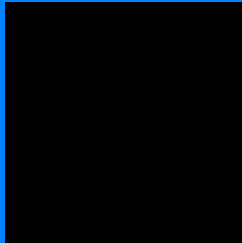
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

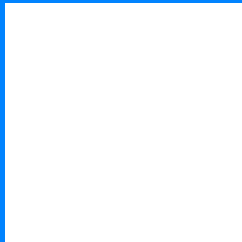
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.3884, 0.1778, 0.1599

Background



This preview shows how black text looks on a background with the Yxy color 23.3884, 0.1778, 0.1599.



This preview shows how white text looks on a background with the Yxy color 23.3884, 0.1778, 0.1599.

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

23.3948, 0.1778, 0.1599

Protanopia

23.4934, 0.1878, 0.1619

Deuteranopia

23.3841, 0.1834, 0.1801

Trichromacy



Original Color

23.3948, 0.1778, 0.1599

Protanomaly

23.2002, 0.1820, 0.1603

Deuteranomaly

23.5213, 0.1813, 0.1726

Monochromacy



Original Color

23.3948, 0.1778, 0.1599

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

16.0285, 0.2236, 0.2412

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3884, 0.1778, 0.1599 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(1, 131, 254)` looks like.

```
.text, #text, p{  
    color:rgb(1, 131, 254)  
}
```

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(1, 131, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 131, 254) }
```

Border

The CSS property to change the border of an element to Yxy 23.3884, 0.1778, 0.1599 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(1, 131, 254) }
```

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

```
.border{ border-color:rgb(1, 131, 254) }
```

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

Here you see how a box with a 4 pixel rgb(1, 131, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 131, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 131, 254);  
box-shadow:4px 4px 4px 4px rgb(1, 131,  
254) }
```

Background

The CSS property to change the background color of an element to Yxy 23.3884, 0.1778, 0.1599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 131, 254) }
```

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

```
.background{ background-color: rgb(1, 131,  
254) }
```

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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