

Converting Colors

$Yxy(19.9989, 0.1726, 0.1412)$

Have a look what the booklet for
Yxy(19.9989, 0.1726, 0.1412)
contains.

Yxy(19.9490, 0.1726, 0.1409)	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(19.9490, 0.1726, 0.1409)

Conversions

Conversions Part 1

Format	Color
Hex	0275FF
RGB	2, 117, 255
RGB Percent	1%, 46%, 100%
CMY	0.9918, 0.5413, 0.0000
CMYK	0.99, 0.54, 0.00, 0.00
HSL	213°, 100%, 50%
HSV	213°, 99%, 100%
XYZ	24.4372, 19.9490, 97.1965
YIQ	98.3470, -112.8380, 18.5380

Conversions

Conversions Part 2

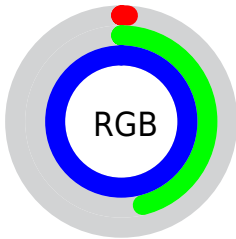
Format	Color
R _Y B	2, 81, 255
Decimal	161279
CIE Lab	51.78, 25.78, -75.71
CIE LCh	52, 79.981, 288.807
Yxy	19.9490, 0.1726, 0.1409
Android (android.graphics.Color)	4278351359 (0xFF0275FF)
YUV	98.3470, 77.2299, -84.4963
Hunter-Lab	44.6643, 19.5001, -97.7593

Details

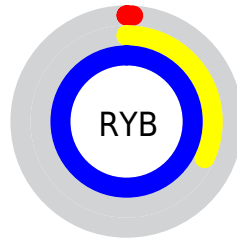
The Yxy color **19.9490, 0.1726, 0.1409** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **40.0567, 0.5285, 0.4180**, and the grayscale version is **12.1314, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.7360, 0.2188, 0.2181**, and **8.4115, 0.1647, 0.1129** is the 20% darker color. If you saturate the color by 10%, you get **19.6704, 0.1721, 0.1394**, and if you desaturate by 10%, it is **23.6616, 0.1798, 0.1598**.

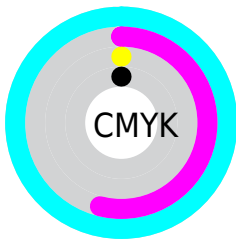
Distribution



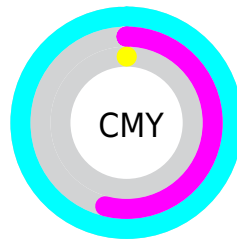
- Red (1%)
- Green (46%)
- Blue (100%)



- Red (1%)
- Yellow (32%)
- Blue (100%)



- Cyan (99%)
- Magenta (54%)
- Yellow (0%)
- Black (0%)





- Cyan (99%)
- Magenta (54%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9490, 0.1726, 0.1409 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 19.9490, 0.1726, 0.1409 by changing the saturation by 10% instead.


 19.9490, 0.1726,
0.1409


 19.9490, 0.1726,
0.1409


251.6389, 0.2450,
0.2306


 12.3580, 0.1555,
0.1218


 43.3317, 0.1985,
0.1714


 6.9880, 0.1347,
0.0995


 59.8921, 0.2084,
0.1835

 3.4546, 0.1095,
0.0742

 80.2111, 0.2169,
0.1941

 1.3734, 0.0796,
0.0467

 104.6731, 0.2241,
0.2033

 0.1970, 0.0470,
0.0113

 133.6625, 0.2304,
0.2113

 0.0000, 0.0000,
0.0000

167.5637, 0.2359,

0.2185

206.7610, 0.2407,
0.2249

■ 19.9490, 0.1726,
0.1409

■ 19.9490, 0.1726,
0.1409

■ 19.6704, 0.1721,
0.1394

■ 23.6616, 0.1798,
0.1598

■ 28.1684, 0.1895,
0.1803

■ 33.5632, 0.2018,
0.2016

■ 39.9149, 0.2161,
0.2232

■ 47.2835, 0.2318,
0.2443

■ 55.7229, 0.2485,
0.2645

■ 65.2824, 0.2654,
0.2833

■ 76.0080, 0.2822,
0.3006

■ 87.9424, 0.2984,
0.3162

Harmonies

Analogous

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



19.9490, 0.1171, 0.1451



19.9490, 0.1726, 0.1409



19.9490, 0.2782, 0.1669

Triad

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



19.9490, 0.1726, 0.1409



19.9490, 0.5816, 0.3722



19.9490, 0.1787, 0.4803

Complementary

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



19.9490, 0.1726, 0.1409



40.0567, 0.5285, 0.4180

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.



19.9490, 0.2873, 0.6038



19.9490, 0.1726, 0.1409



19.9490, 0.5168, 0.4655

Square

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



19.9490, 0.1726, 0.1409



19.9490, 0.5560, 0.2930



19.9490, 0.4075, 0.5656



19.9490, 0.1148, 0.2970

Rectangle

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



19.9490, 0.1726, 0.1409



19.9490, 0.3765, 0.2003



19.9490, 0.4075, 0.5656



19.9490, 0.2115, 0.5386

Sweetspot

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



19.9474, 0.1726, 0.1409



64.4573, 0.2640, 0.2818



73.3388, 0.2699, 0.4911



12.9125, 0.2569, 0.2740



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.



19.9474, 0.1726, 0.1409



19.6704, 0.1721, 0.1394



7.3332, 0.1509, 0.0608



18.7368, 0.2979, 0.3157



10.5677, 0.1729, 0.1424



1.2439, 0.1789, 0.1641

Inverse Universe

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



22.5888, 0.5177, 0.2630



22.5169, 0.5198, 0.2637



91.2206, 0.4134, 0.5097



18.1243, 0.3223, 0.3183



11.7948, 0.5159, 0.2615



1.1701, 0.4880, 0.2462

Previews

White Background



This preview shows how the Yxy color 19.9490, 0.1726, 0.1409 looks on a white background.

Color Contrast Check

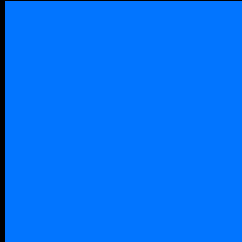
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9490, 0.1726, 0.1409 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

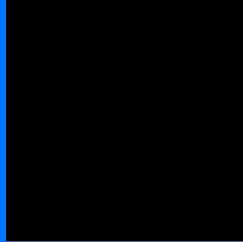
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

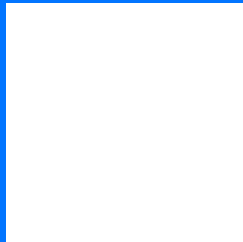
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.9490, 0.1726, 0.1409

Background



This preview shows how black text looks on a background with the Yxy color 19.9490, 0.1726, 0.1409.



This preview shows how white text looks on a background with the Yxy color 19.9490, 0.1726, 0.1409.

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

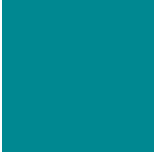
19.9555, 0.1726, 0.1410

Protanopia

19.9219, 0.1735, 0.1447

Deuteranopia

19.8796, 0.1847, 0.1849



Tritanopia

19.6527, 0.2194, 0.3099

Trichromacy



Original Color

19.9555, 0.1726, 0.1410

Protanomaly

19.9916, 0.1734, 0.1441

Deuteranomaly

19.8855, 0.1799, 0.1673

Tritanomaly

19.2097, 0.1965, 0.2272

Monochromacy



Original Color

19.9555, 0.1726, 0.1410

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

13.5265, 0.2189, 0.2274

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9490, 0.1726, 0.1409 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(2, 117, 255)` looks like.

```
.text, #text, p{  
    color:rgb(2, 117, 255)  
}
```

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(2, 117, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 117, 255) }
```

Border

The CSS property to change the border of an element to Yxy 19.9490, 0.1726, 0.1409 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(2, 117, 255) }
```

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

```
.border{ border-color:rgb(2, 117, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 117, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 117, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 117, 255);  
box-shadow:4px 4px 4px 4px rgb(2, 117,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9490, 0.1726, 0.1409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 117, 255) }
```

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

```
.background{ background-color: rgb(2, 117,  
255) }
```

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