

Converting Colors

$Yxy(20.0290, 0.1730, 0.1426)$

Have a look what the booklet for
Yxy(20.0290, 0.1730, 0.1426)
contains.

Yxy(20.1191, 0.1731, 0.1428)	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(20.1191, 0.1731, 0.1428)

Conversions

Conversions Part 1

Format	Color
Hex	0276FE
RGB	2, 118, 254
RGB Percent	1%, 46%, 100%
CMY	0.9937, 0.5373, 0.0038
CMYK	0.99, 0.54, 0.00, 0.00
HSL	212°, 99%, 50%
HSV	212°, 99%, 100%
XYZ	24.3881, 20.1191, 96.3829
YIQ	98.8200, -112.7920, 17.7040

Conversions

Conversions Part 2

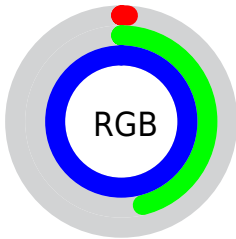
Format	Color
R _Y B	2, 81, 254
Decimal	161534
CIE Lab	51.97, 24.74, -74.84
CIE LCh	52, 78.825, 288.294
Yxy	20.1191, 0.1731, 0.1428
Android (android.graphics.Color)	4278351614 (0xFF0276FE)
YUV	98.8200, 76.5037, -84.9111
Hunter-Lab	44.8543, 18.5585, -96.0042

Details

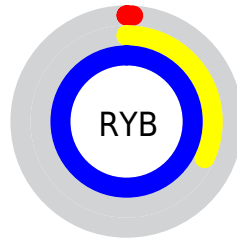
The Yxy color **20.1191, 0.1731, 0.1428** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **39.1519, 0.5309, 0.4163**, and the grayscale version is **12.2214, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.1066, 0.2191, 0.2194**, and **8.4920, 0.1653, 0.1149** is the 20% darker color. If you saturate the color by 10%, you get **19.9079, 0.1727, 0.1417**, and if you desaturate by 10%, it is **23.8033, 0.1802, 0.1616**.

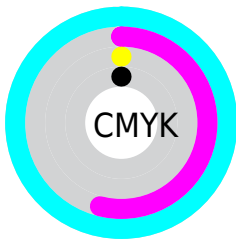
Distribution



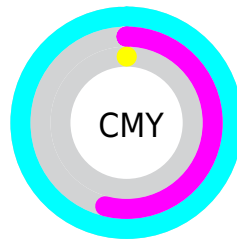
- Red (1%)
- Green (46%)
- Blue (100%)



- 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 20.1191, 0.1731, 0.1428 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 20.1191, 0.1731, 0.1428 by changing the saturation by 10% instead.


 20.1191, 0.1731,
0.1428


 20.1191, 0.1731,
0.1428

252.5591, 0.2453,
0.2318


 12.4816, 0.1561,
0.1237


 43.6168, 0.1989,
0.1731


 7.0726, 0.1353,
0.1014


 60.2458, 0.2088,
0.1852


 3.5075, 0.1101,
0.0759

 80.6408, 0.2172,
0.1957

 1.4021, 0.0802,
0.0482

 105.1861, 0.2245,
0.2048

 0.2183, 0.0473,
0.0127

 134.2662, 0.2307,
0.2128

 0.0000, 0.0000,
0.0000

168.2655, 0.2362,

0.2199

207.5684, 0.2410,
0.2262

■ 20.1191, 0.1731,
0.1428

■ 20.1191, 0.1731,
0.1428

■ 19.9079, 0.1727,
0.1417

■ 23.8033, 0.1802,
0.1616

■ 28.2590, 0.1898,
0.1818

■ 33.5822, 0.2020,
0.2029

■ 39.8406, 0.2161,
0.2242

■ 47.0932, 0.2318,
0.2451

■ 55.3928, 0.2483,
0.2650

■ 64.7877, 0.2652,
0.2836

■ 75.3229, 0.2819,
0.3006

■ 87.0402, 0.2981,
0.3160

Harmonies

Analogous

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



20.1191, 0.1186, 0.1477



20.1191, 0.1731, 0.1428



20.1191, 0.2767, 0.1681

Triad

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



20.1191, 0.1731, 0.1428



20.1191, 0.5786, 0.3715



20.1191, 0.1825, 0.4806

Complementary

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



20.1191, 0.1731, 0.1428



39.1519, 0.5309, 0.4163

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.



20.1191, 0.2907, 0.5993



20.1191, 0.1731, 0.1428



20.1191, 0.5166, 0.4634

Square

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



20.1191, 0.1731, 0.1428



20.1191, 0.5507, 0.2928



20.1191, 0.4096, 0.5615



20.1191, 0.1179, 0.3006

Rectangle

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



20.1191, 0.1731, 0.1428



20.1191, 0.3730, 0.2009



20.1191, 0.4096, 0.5615



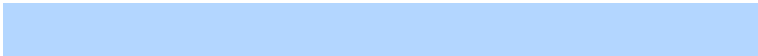
20.1191, 0.2153, 0.5369

Sweetspot

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



20.1196, 0.1731, 0.1428



64.7216, 0.2641, 0.2824



72.6926, 0.2699, 0.4914



12.9747, 0.2570, 0.2747



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.



20.1196, 0.1731, 0.1428



20.0760, 0.1727, 0.1416



7.2564, 0.1509, 0.0607



18.7579, 0.2979, 0.3158



10.7813, 0.1735, 0.1446



1.2654, 0.1795, 0.1661

Inverse Universe

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



22.4173, 0.5153, 0.2615



22.5578, 0.5169, 0.2621



90.4240, 0.4134, 0.5098



18.1264, 0.3221, 0.3181



11.8163, 0.5130, 0.2599



1.1723, 0.4855, 0.2448

Previews

White Background



This preview shows how the Yxy color 20.1191, 0.1731, 0.1428 looks on a white background.

Color Contrast Check

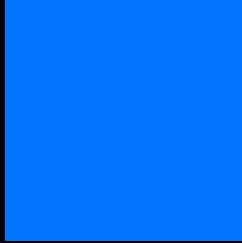
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1191, 0.1731, 0.1428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

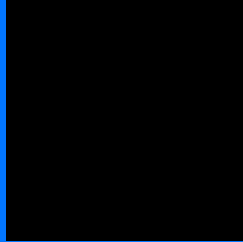
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

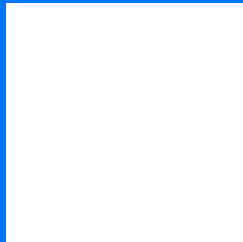
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.1191, 0.1731, 0.1428

Background



This preview shows how black text looks on a background with the Yxy color 20.1191, 0.1731, 0.1428.



This preview shows how white text looks on a background with the Yxy color 20.1191, 0.1731, 0.1428.

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

20.1255, 0.1731, 0.1429

Protanopia

19.9851, 0.1734, 0.1441

Deuteranopia

19.9837, 0.1842, 0.1830



Tritanopia

19.9357, 0.2200, 0.3120

Trichromacy



Original Color

20.1255, 0.1731, 0.1429

Protanomaly

20.0552, 0.1733, 0.1435

Deuteranomaly

19.9419, 0.1797, 0.1665

Tritanomaly

19.4745, 0.1971, 0.2291

Monochromacy



Original Color

20.1255, 0.1731, 0.1429

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

13.7646, 0.2200, 0.2297

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1191, 0.1731, 0.1428 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, 118, 254)` looks like.

```
.text, #text, p{  
    color:rgb(2, 118, 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(2, 118, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 118, 254) }
```

Border

The CSS property to change the border of an element to Yxy 20.1191, 0.1731, 0.1428 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, 118, 254) }
```

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

```
.border{ border-color:rgb(2, 118, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 118, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 118, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 118, 254);  
box-shadow:4px 4px 4px 4px rgb(2, 118,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1191, 0.1731, 0.1428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 118, 254) }
```

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

```
.background{ background-color: rgb(2, 118,  
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](#).

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