

Converting Colors

$Yxy(13.6993, 0.1187, 0.1211)$

Have a look what the booklet for
Yxy(13.6993, 0.1187, 0.1211)
contains.

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Color

Yxy(17.9991, 0.1730, 0.1427)

Conversions

Conversions Part 1

Format	Color
Hex	0070F2
RGB	0, 112, 242
RGB Percent	0%, 44%, 95%
CMY	0.9988, 0.5608, 0.0511
CMYK	1.00, 0.54, 0.00, 0.05
HSL	212°, 100%, 48%
HSV	212°, 100%, 95%
XYZ	21.8209, 17.9991, 86.3124
YIQ	93.3320, -108.4820, 16.6860

Conversions

Conversions Part 2

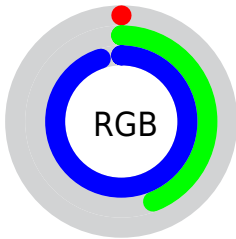
Format	Color
R _{YB}	0, 77, 242
Decimal	28914
CIE Lab	49.50, 23.85, -72.18
CIE LCh	49, 76.015, 288.289
Yxy	17.9991, 0.1730, 0.1427
Android (android.graphics.Color)	4278218994 (0xFF0070F2)
YUV	93.3320, 73.2933, -81.8522
Hunter-Lab	42.4253, 17.5647, -90.9251

Details

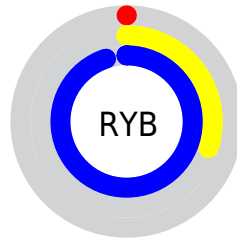
The Yxy color **17.9991, 0.1730, 0.1427** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **34.9161, 0.5317, 0.4159**, and the grayscale version is **10.8943, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7294, 0.2159, 0.2111**, and **7.3992, 0.1650, 0.1141** is the 20% darker color. If you saturate the color by 10%, you get **17.9614, 0.1729, 0.1425**, and if you desaturate by 10%, it is **21.2805, 0.1801, 0.1614**.

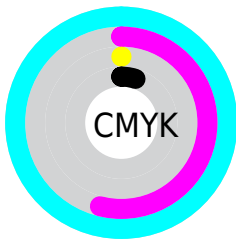
Distribution



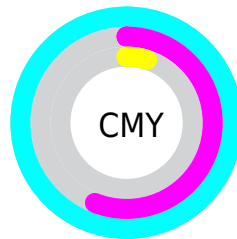
- Red (0%)
- Green (44%)
- Blue (95%)



- Red (0%)
- Yellow (30%)
- Blue (95%)



- Cyan (100%)
- Magenta (54%)
- Yellow (0%)
- Black (5%)





- Cyan (100%)
- Magenta (56%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.9991, 0.1730, 0.1427 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 17.9991, 0.1730, 0.1427 by changing the saturation by 10% instead.


 17.9991, 0.1730,
0.1427


 17.9991, 0.1730,
0.1427


240.8660, 0.2465,
0.2335


 10.9493, 0.1552,
0.1228


 40.0358, 0.1996,
0.1740


 6.0328, 0.1335,
0.0995


 55.7915, 0.2098,
0.1864


 2.8650, 0.1068,
0.0728

 75.2180, 0.2183,
0.1970

 1.0617, 0.0752,
0.0439

 98.6997, 0.2256,
0.2063

 0.0000, 0.0386,
0.0000

 126.6209, 0.2319,
0.2144

 0.0000, 0.0000,
0.0000

159.3661, 0.2374,

0.2215

197.3197, 0.2423,
0.2279

■ 17.9991, 0.1730,
0.1427

■ 17.9991, 0.1730,
0.1427

■ 17.9614, 0.1729,
0.1425

■ 21.2805, 0.1801,
0.1614

■ 25.2400, 0.1896,
0.1815

■ 29.9689, 0.2016,
0.2025

■ 35.5275, 0.2157,
0.2237

■ 41.9683, 0.2312,
0.2445

■ 49.3384, 0.2477,
0.2644

■ 57.6806, 0.2644,
0.2829

■ 67.0350, 0.2811,
0.3000

■ 77.4389, 0.2974,
0.3154

Harmonies

Analogous

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



17.9991, 0.1185, 0.1476



17.9991, 0.1730, 0.1427



17.9991, 0.2767, 0.1680

Triad

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



17.9991, 0.1730, 0.1427



17.9991, 0.5788, 0.3714



17.9991, 0.1824, 0.4807

Complementary

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



17.9991, 0.1730, 0.1427



34.9161, 0.5317, 0.4159

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.



17.9991, 0.2906, 0.5995



17.9991, 0.1730, 0.1427



17.9991, 0.5168, 0.4635

Square

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



17.9991, 0.1730, 0.1427



17.9991, 0.5509, 0.2927



17.9991, 0.4096, 0.5617



17.9991, 0.1178, 0.3006

Rectangle

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



17.9991, 0.1730, 0.1427



17.9991, 0.3730, 0.2009



17.9991, 0.4096, 0.5617



17.9991, 0.2152, 0.5371

Sweetspot

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



17.9995, 0.1730, 0.1427



64.7642, 0.2641, 0.2825



65.0847, 0.2700, 0.4918



12.9847, 0.2570, 0.2749



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.



17.9995, 0.1730, 0.1427



20.1419, 0.1728, 0.1420



6.4702, 0.1508, 0.0605



16.4327, 0.2980, 0.3160



9.9178, 0.1738, 0.1455



1.0221, 0.1807, 0.1703

Inverse Universe

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



20.0502, 0.5155, 0.2614



22.5645, 0.5164, 0.2619



80.9728, 0.4134, 0.5099



15.8804, 0.3221, 0.3181



10.7946, 0.5118, 0.2593



0.9179, 0.4802, 0.2419

Previews

White Background



This preview shows how the Yxy color 17.9991, 0.1730, 0.1427 looks on a white 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

Black Background



This preview shows how the Yxy color 17.9991, 0.1730, 0.1427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

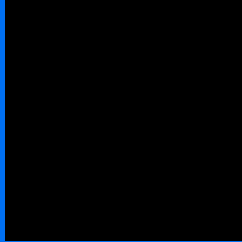
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

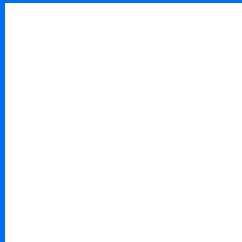
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 17.9991, 0.1730, 0.1427

Background



This preview shows how black text looks on a background with the Yxy color 17.9991, 0.1730, 0.1427.



This preview shows how white text looks on a background with the Yxy color 17.9991, 0.1730, 0.1427.

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

17.9991, 0.1730, 0.1427

Protanopia

18.1015, 0.1737, 0.1454

Deuteranopia

17.9379, 0.1845, 0.1840



Tritanopia

17.8002, 0.2198, 0.3113

Trichromacy



Original Color

17.9991, 0.1730, 0.1427

Protanomaly

18.1611, 0.1735, 0.1447

Deuteranomaly

17.8899, 0.1797, 0.1667

Tritanomaly

17.3005, 0.1967, 0.2281

Monochromacy



Original Color

17.9991, 0.1730, 0.1427

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

12.1507, 0.2189, 0.2288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9991, 0.1730, 0.1427 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, 112, 242)` looks like.

```
.text, #text, p{  
    color:rgb(0, 112, 242)  
}
```

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, 112, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 112, 242) }
```

Border

The CSS property to change the border of an element to Yxy 17.9991, 0.1730, 0.1427 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, 112, 242) }
```

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

```
.border{ border-color:rgb(0, 112, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 112, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 112, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 112, 242);  
box-shadow:4px 4px 4px 4px rgb(0, 112,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 17.9991, 0.1730, 0.1427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 112, 242) }
```

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

```
.background{ background-color: rgb(0, 112,  
242) }
```

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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