

Converting Colors

$Yxy(15.9311, 0.1670, 0.1205)$

Have a look what the booklet for
Yxy(15.9311, 0.1670, 0.1205)
contains.

Yxy(15.9713, 0.1671, 0.1209)	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(15.9713, 0.1671, 0.1209)

Conversions

Conversions Part 1

Format	Color
Hex	0363FC
RGB	3, 99, 252
RGB Percent	1%, 39%, 99%
CMY	0.9888, 0.6118, 0.0116
CMYK	0.99, 0.61, 0.00, 0.01
HSL	217°, 98%, 50%
HSV	217°, 99%, 99%
XYZ	22.0745, 15.9713, 94.0576
YIQ	87.7380, -106.3290, 27.2310

Conversions

Conversions Part 2

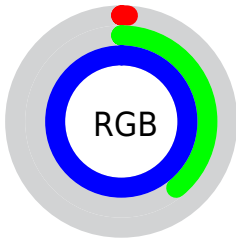
Format	Color
R _Y B	3, 72, 252
Decimal	222204
CIE Lab	46.94, 36.06, -81.96
CIE LCh	47, 89.547, 293.748
Yxy	15.9713, 0.1671, 0.1209
Android (android.graphics.Color)	4278412284 (0xFF0363FC)
YUV	87.7380, 80.9812, -74.3152
Hunter-Lab	39.9641, 28.6586, -111.5672

Details

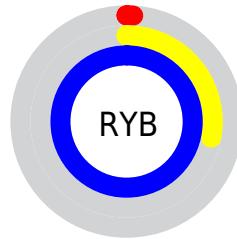
The Yxy color **15.9713, 0.1671, 0.1209** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **44.4572, 0.5082, 0.4340**, and the grayscale version is **9.5269, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.2923, 0.2140, 0.1934**, and **6.5334, 0.1595, 0.0943** is the 20% darker color. If you saturate the color by 10%, you get **15.6258, 0.1664, 0.1188**, and if you desaturate by 10%, it is **19.4202, 0.1746, 0.1406**.

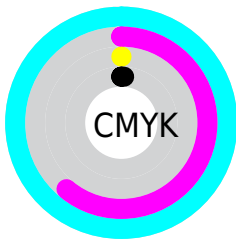
Distribution



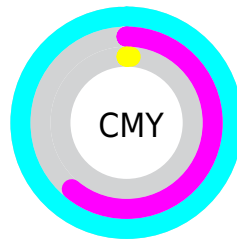
- Red (1%)
- Green (39%)
- Blue (99%)



- Red (1%)
- Yellow (28%)
- Blue (99%)



- Cyan (99%)
- Magenta (61%)
- Yellow (0%)
- Black (1%)





- Cyan (99%)
- Magenta (61%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.9713, 0.1671, 0.1209 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 15.9713, 0.1671, 0.1209 by changing the saturation by 10% instead.


 15.9713, 0.1671,
0.1209


 15.9713, 0.1671,
0.1209


229.1723, 0.2441,
0.2189

 9.5038, 0.1488,
0.1008


 36.5484, 0.1949,
0.1537


 5.0713, 0.1266,
0.0781


 51.4268, 0.2055,
0.1669


 2.2891, 0.0999,
0.0533

 69.8776, 0.2145,
0.1785

 0.7679, 0.0690,
0.0284

 92.2853, 0.2221,
0.1886

 0.0000, 0.0349,
0.0000

 119.0342, 0.2288,
0.1976

 0.0000, 0.0000,
0.0000

150.5088, 0.2346,

0.2055

187.0933, 0.2397,
0.2126

■ 15.9713, 0.1671,
0.1209

■ 15.9713, 0.1671,
0.1209

■ 15.6258, 0.1664,
0.1188

■ 19.4202, 0.1746,
0.1406

■ 23.7477, 0.1851,
0.1626

■ 29.0540, 0.1982,
0.1861

■ 35.4141, 0.2136,
0.2102

■ 42.8941, 0.2303,
0.2340

■ 51.5536, 0.2478,
0.2568

■ 61.4473, 0.2653,
0.2781

■ 72.6262, 0.2825,
0.2975

■ 85.1381, 0.2989,
0.3151

Harmonies

Analogous

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



15.9713, 0.1012, 0.1188



15.9713, 0.1671, 0.1209



15.9713, 0.2961, 0.1535

Triad

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



15.9713, 0.1671, 0.1209



15.9713, 0.6099, 0.3758



15.9713, 0.1367, 0.4741

Complementary

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



15.9713, 0.1671, 0.1209



44.4572, 0.5082, 0.4340

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.



15.9713, 0.2468, 0.6572



15.9713, 0.1671, 0.1209



15.9713, 0.5138, 0.4862

Square

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



15.9713, 0.1671, 0.1209



15.9713, 0.6131, 0.2922



15.9713, 0.3826, 0.6174



15.9713, 0.0829, 0.2565

Rectangle

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



15.9713, 0.1671, 0.1209



15.9713, 0.4173, 0.1922



15.9713, 0.3826, 0.6174



15.9713, 0.1685, 0.5561

Sweetspot

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



15.9716, 0.1671, 0.1209



61.8628, 0.2633, 0.2757



71.9510, 0.2632, 0.4668



12.3036, 0.2559, 0.2669



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.



15.9716, 0.1671, 0.1209



16.0266, 0.1663, 0.1187



7.3369, 0.1532, 0.0622



17.7410, 0.2979, 0.3140



8.4001, 0.1672, 0.1219



0.9764, 0.1737, 0.1455

Inverse Universe

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



21.6676, 0.5452, 0.2783



22.1490, 0.5485, 0.2795



86.0120, 0.4016, 0.5189



17.3361, 0.3233, 0.3199



11.2589, 0.5439, 0.2770



1.0628, 0.5119, 0.2593

Previews

White Background



This preview shows how the Yxy color 15.9713, 0.1671, 0.1209 looks on a white background.

Color Contrast Check

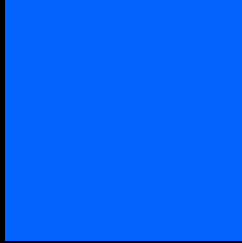
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.9713, 0.1671, 0.1209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

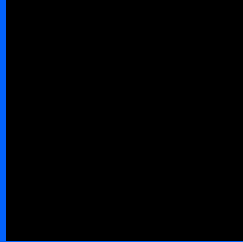
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

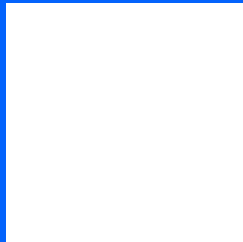
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 15.9713, 0.1671, 0.1209

Background



This preview shows how black text looks on a background with the Yxy color 15.9713, 0.1671, 0.1209.



This preview shows how white text looks on a background with the Yxy color 15.9713, 0.1671, 0.1209.

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

15.9713, 0.1671, 0.1209

Protanopia

15.7443, 0.1739, 0.1461

Deuteranopia

15.6605, 0.1852, 0.1868



Tritanopia

15.7776, 0.2202, 0.3126

Trichromacy



Original Color

15.9713, 0.1671, 0.1209

Protanomaly

15.7051, 0.1710, 0.1352

Deuteranomaly

15.5866, 0.1772, 0.1578

Tritanomaly

15.0971, 0.1925, 0.2126

Monochromacy



Original Color

15.9713, 0.1671, 0.1209

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

10.6623, 0.2128, 0.2090

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9713, 0.1671, 0.1209 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(3, 99, 252)` looks like.

```
.text, #text, p{  
    color:rgb(3, 99, 252)  
}
```

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(3, 99, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 99, 252) }
```

Border

The CSS property to change the border of an element to Yxy 15.9713, 0.1671, 0.1209 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(3, 99, 252) }
```

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

```
.border{ border-color:rgb(3, 99, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 99, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 99, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 99, 252);  
box-shadow:4px 4px 4px 4px rgb(3, 99, 252)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.9713, 0.1671, 0.1209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 99, 252) }
```

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

```
.background{ background-color: rgb(3, 99,  
252) }
```

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