

Converting Colors

$Y_{xy}(10.9502, 0.1588, 0.0918)$

Have a look what the booklet for
Yxy(10.9502, 0.1588, 0.0918)
contains.

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Color

Yxy(10.9716, 0.1590, 0.0922)

Conversions

Conversions Part 1

Format	Color
Hex	0145F7
RGB	1, 69, 247
RGB Percent	0%, 27%, 97%
CMY	0.9973, 0.7295, 0.0314
CMYK	1.00, 0.72, 0.00, 0.03
HSL	223°, 99%, 49%
HSV	223°, 100%, 97%
XYZ	18.9207, 10.9716, 89.1056
YIQ	68.9600, -97.6660, 40.9420

Conversions

Conversions Part 2

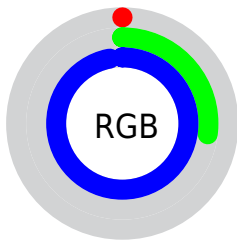
Format	Color
R _Y B	1, 54, 247
Decimal	83447
CIE Lab	39.53, 52.58, -91.33
CIE LCh	40, 105.383, 299.931
Yxy	10.9716, 0.1590, 0.0922
Android (android.graphics.Color)	4278273527 (0xFF0145F7)
YUV	68.9600, 87.7737, -59.6009
Hunter-Lab	33.1234, 43.9963, -136.3102

Details

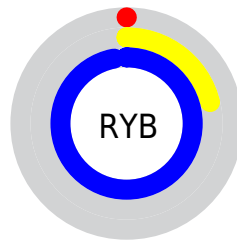
The Yxy color **10.9716, 0.1590, 0.0922** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark saturated blue. A complement of this color would be **51.8925, 0.4795, 0.4573**, and the grayscale version is **5.7917, 0.3127, 0.3290**.

A 20% lighter version of the original color is **23.8217, 0.2066, 0.1557**, and **4.3694, 0.1528, 0.0700** is the 20% darker color. If you saturate the color by 10%, you get **10.9070, 0.1588, 0.0917**, and if you desaturate by 10%, it is **13.7138, 0.1663, 0.1107**.

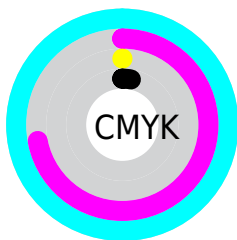
Distribution



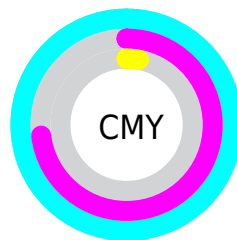
- Red (0%)
- Green (27%)
- Blue (97%)



- Red (0%)
- Yellow (21%)
- Blue (97%)



- Cyan (100%)
- Magenta (72%)
- Yellow (0%)
- Black (3%)





- Cyan (100%)
- Magenta (73%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.9716, 0.1590, 0.0922 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 10.9716, 0.1590, 0.0922 by changing the saturation by 10% instead.


 10.9716, 0.1590,
0.0922


 10.9716, 0.1590,
0.0922


197.4726, 0.2433,
0.2011


 6.0477, 0.1388,
0.0716


 27.6076, 0.1897,
0.1274


 2.8741, 0.1145,
0.0497


 40.0886, 0.2014,
0.1420

 1.0664, 0.0859,
0.0280

 55.8574, 0.2112,
0.1550

 0.0000, 0.0547,
0.0000

 75.2984, 0.2196,
0.1664

 0.0000, 0.0129,
0.0000

 98.7961, 0.2268,
0.1766

 0.0000, 0.0000,
0.0000

126.7347, 0.2331,

0.1857

159.4988, 0.2385,
0.1938

■ 10.9716, 0.1590,
0.0922

■ 10.9716, 0.1590,
0.0922

■ 10.9070, 0.1588,
0.0917

■ 13.7138, 0.1663,
0.1107

■ 17.4314, 0.1769,
0.1334

■ 22.2496, 0.1909,
0.1591

■ 28.2601, 0.2074,
0.1866

■ 35.5436, 0.2255,
0.2144

■ 44.1730, 0.2442,
0.2413

■ 54.2156, 0.2628,
0.2667

■ 65.7335, 0.2807,
0.2900

■ 78.7853, 0.2976,
0.3109

Harmonies

Analogous

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



10.9716, 0.0788, 0.0830



10.9716, 0.1590, 0.0922



10.9716, 0.3307, 0.1321

Triad

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



10.9716, 0.1590, 0.0922



10.9716, 0.6335, 0.3665



10.9716, 0.0740, 0.4442

Complementary

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



10.9716, 0.1590, 0.0922



51.8925, 0.4795, 0.4573

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.



10.9716, 0.1703, 0.7555



10.9716, 0.1590, 0.0922



10.9716, 0.4877, 0.5123

Square

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



10.9716, 0.1590, 0.0922



10.9716, 0.6950, 0.2773



10.9716, 0.3111, 0.6889



10.9716, 0.0426, 0.1896

Rectangle

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



10.9716, 0.1590, 0.0922



10.9716, 0.4959, 0.1771



10.9716, 0.3111, 0.6889



10.9716, 0.0990, 0.5726

Sweetspot

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



10.9717, 0.1590, 0.0922



57.9186, 0.2622, 0.2659



69.7005, 0.2515, 0.4253



11.3848, 0.2544, 0.2554



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.



10.9717, 0.1590, 0.0922



11.6884, 0.1588, 0.0915



7.5150, 0.1603, 0.0657



16.6745, 0.2979, 0.3114



5.9730, 0.1596, 0.0945



0.6905, 0.1662, 0.1184

Inverse Universe

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



20.2160, 0.5877, 0.3013



21.7111, 0.5889, 0.3018



77.9345, 0.3809, 0.5357



16.5580, 0.3250, 0.3225



10.7023, 0.5843, 0.2992



0.9573, 0.5489, 0.2798

Previews

White Background



This preview shows how the Yxy color 10.9716, 0.1590, 0.0922 looks on a white background.

Color Contrast Check

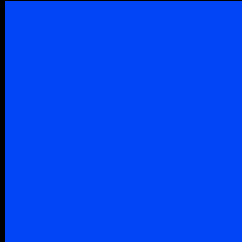
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.9716, 0.1590, 0.0922 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 10.9716, 0.1590, 0.0922

Background



This preview shows how black text looks on a background with the Yxy color 10.9716, 0.1590, 0.0922.



This preview shows how white text looks on a background with the Yxy color 10.9716, 0.1590, 0.0922.

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

10.9781, 0.1590, 0.0922

Protanopia

10.7756, 0.1747, 0.1488

Deuteranopia

10.7225, 0.1866, 0.1917



Tritanopia

10.7832, 0.2209, 0.3152

Trichromacy



Original Color

10.9781, 0.1590, 0.0922

Protanomaly

10.6380, 0.1674, 0.1226

Deuteranomaly

10.4613, 0.1723, 0.1404

Tritanomaly

9.9854, 0.1845, 0.1843

Monochromacy



Original Color

10.9781, 0.1590, 0.0922

Achromatopsia

5.9511, 0.3127, 0.3290

Achromatomaly

6.5129, 0.1997, 0.1741

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.9716, 0.1590, 0.0922 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, 69, 247)` looks like.

```
.text, #text, p{  
    color:rgb(1, 69, 247)  
}
```

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, 69, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 69, 247) }
```

Border

The CSS property to change the border of an element to Yxy 10.9716, 0.1590, 0.0922 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, 69, 247) }
```

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

```
.border{ border-color:rgb(1, 69, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 69, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 69, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 69, 247);  
box-shadow:4px 4px 4px 4px rgb(1, 69, 247)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.9716, 0.1590, 0.0922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 69, 247) }
```

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

```
.background{ background-color: rgb(1, 69,  
247) }
```

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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