

Converting Colors

$Yxy(10.0399, 0.1631, 0.1072)$

Have a look what the booklet for
Yxy(10.0399, 0.1631, 0.1072)
contains.

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Color

$\text{Yxy}(10.0120, 0.1631, 0.1072)$

Conversions

Conversions Part 1

Format	Color
Hex	004ADB
RGB	0, 74, 219
RGB Percent	0%, 29%, 86%
CMY	1.0000, 0.7098, 0.1412
CMYK	1.00, 0.66, 0.00, 0.14
HSL	220°, 100%, 43%
HSV	220°, 100%, 86%
XYZ	15.2328, 10.0120, 68.1507
YIQ	68.4040, -90.6490, 29.4070

Conversions

Conversions Part 2

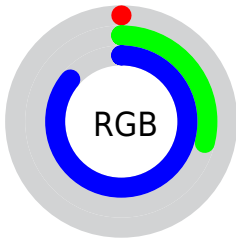
Format	Color
R _Y B	0, 55, 219
Decimal	19163
CIE Lab	37.86, 39.42, -78.21
CIE LCh	38, 87.584, 296.749
Yxy	10.0120, 0.1631, 0.1072
Android (android.graphics.Color)	4278209243 (0xFF004ADB)
YUV	68.4040, 74.2438, -59.9903
Hunter-Lab	31.6417, 30.5595, -105.5509

Details

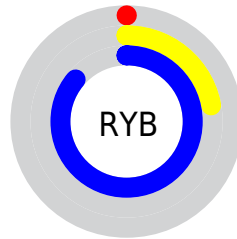
The Yxy color **10.0120, 0.1631, 0.1072** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **35.3102, 0.4955, 0.4448**, and the grayscale version is **5.7394, 0.3127, 0.3290**.

A 20% lighter version of the original color is **24.1423, 0.2020, 0.1582**, and **3.6774, 0.1557, 0.0803** is the 20% darker color. If you saturate the color by 10%, you get **10.0136, 0.1631, 0.1072**, and if you desaturate by 10%, it is **12.3476, 0.1707, 0.1266**.

Distribution



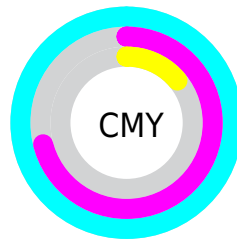
- Red (0%)
- Green (29%)
- Blue (86%)



- Red (0%)
- Yellow (22%)
- Blue (86%)



- Cyan (100%)
- Magenta (66%)
- Yellow (0%)
- Black (14%)





- Cyan (100%)
- Magenta (71%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.0120, 0.1631, 0.1072 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 10.0120, 0.1631, 0.1072 by changing the saturation by 10% instead.


 10.0120, 0.1631,
0.1072


 10.0120, 0.1631,
0.1072


190.7577, 0.2474,
0.2164


 5.4069, 0.1417,
0.0844


 25.8181, 0.1947,
0.1443


 2.4879, 0.1153,
0.0592

 37.7878, 0.2064,
0.1592


 0.8706, 0.0836,
0.0332

 52.9813, 0.2162,
0.1721

 0.0000, 0.0484,
0.0000

 71.7828, 0.2245,
0.1834

 0.0000, 0.0000,
0.0000

 94.5769, 0.2315,
0.1932

121.7477, 0.2376,

0.2019

153.6799, 0.2428,
0.2096

■ 10.0120, 0.1631,
0.1072

■ 10.0120, 0.1631,
0.1072

■ 10.0136, 0.1631,
0.1072

■ 12.3476, 0.1707,
0.1266

■ 15.3481, 0.1812,
0.1490

■ 19.1041, 0.1946,
0.1735

■ 23.6748, 0.2104,
0.1990

■ 29.1125, 0.2275,
0.2244

■ 35.4645, 0.2454,
0.2490

■ 42.7742, 0.2633,
0.2720

■ 51.0819, 0.2807,
0.2931

■ 60.4257, 0.2972,
0.3121

Harmonies

Analogous

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



10.0120, 0.0903, 0.1014



10.0120, 0.1631, 0.1072



10.0120, 0.3106, 0.1436

Triad

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



10.0120, 0.1631, 0.1072



10.0120, 0.6256, 0.3744



10.0120, 0.1069, 0.4644

Complementary

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



10.0120, 0.1631, 0.1072



35.3102, 0.4955, 0.4448

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.



10.0120, 0.2136, 0.7005



10.0120, 0.1631, 0.1072



10.0120, 0.5032, 0.4968

Square

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



10.0120, 0.1631, 0.1072



10.0120, 0.6528, 0.2875



10.0120, 0.3523, 0.6477



10.0120, 0.0626, 0.2260

Rectangle

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



10.0120, 0.1631, 0.1072



10.0120, 0.4508, 0.1856



10.0120, 0.3523, 0.6477



10.0120, 0.1364, 0.5665

Sweetspot

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



10.0136, 0.1631, 0.1072



60.0976, 0.2628, 0.2714



52.6293, 0.2581, 0.4492



11.8913, 0.2553, 0.2618



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.



10.0136, 0.1631, 0.1072



13.9034, 0.1627, 0.1058



5.4356, 0.1555, 0.0631



13.3328, 0.2981, 0.3131



6.1194, 0.1639, 0.1099



0.5527, 0.1730, 0.1429

Inverse Universe

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



15.5554, 0.5651, 0.2887



21.9347, 0.5673, 0.2899



61.1242, 0.3928, 0.5263



13.1238, 0.3239, 0.3211



9.2415, 0.5612, 0.2865



0.6145, 0.5152, 0.2612

Previews

White Background



This preview shows how the Yxy color 10.0120, 0.1631, 0.1072 looks on a white background.

Color Contrast Check

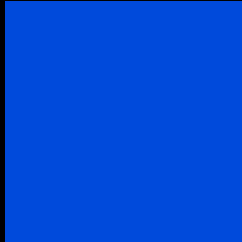
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.0120, 0.1631, 0.1072 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

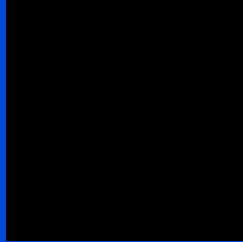
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.0120, 0.1631, 0.1072

Background



This preview shows how black text looks on a background with the Yxy color 10.0120, 0.1631, 0.1072.



This preview shows how white text looks on a background with the Yxy color 10.0120, 0.1631, 0.1072.

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

10.0120, 0.1631, 0.1072

Protanopia

9.9918, 0.1750, 0.1498

Deuteranopia

9.8153, 0.1864, 0.1911



Tritanopia

9.9232, 0.2208, 0.3147

Trichromacy



Original Color

10.0120, 0.1631, 0.1072

Protanomaly

9.9747, 0.1699, 0.1317

Deuteranomaly

9.7114, 0.1752, 0.1508

Tritanomaly

9.3877, 0.1891, 0.2007

Monochromacy



Original Color

10.0120, 0.1631, 0.1072

Achromatopsia

5.7805, 0.3127, 0.3290

Achromatomaly

6.3240, 0.2068, 0.1935

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0120, 0.1631, 0.1072 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, 74, 219)` looks like.

```
.text, #text, p{  
    color:rgb(0, 74, 219)  
}
```

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, 74, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 74, 219) }
```

Border

The CSS property to change the border of an element to Yxy 10.0120, 0.1631, 0.1072 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, 74, 219) }
```

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

```
.border{ border-color:rgb(0, 74, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 74, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 74, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 74, 219);  
box-shadow:4px 4px 4px 4px rgb(0, 74, 219)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.0120, 0.1631, 0.1072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 74, 219) }
```

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

```
.background{ background-color: rgb(0, 74,  
219) }
```

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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