

Converting Colors

$Yxy(13.1455, 0.1614, 0.1010)$

Have a look what the booklet for
Yxy(13.1455, 0.1614, 0.1010)
contains.

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Color

Yxy(13.1049, 0.1613, 0.1007)

Conversions

Conversions Part 1

Format	Color
Hex	0051FF
RGB	0, 81, 255
RGB Percent	0%, 32%, 100%
CMY	1.0000, 0.6823, 0.0000
CMYK	1.00, 0.68, 0.00, 0.00
HSL	221°, 100%, 50%
HSV	221°, 100%, 100%
XYZ	20.9913, 13.1049, 96.0419
YIQ	76.6170, -104.1300, 36.9420

Conversions

Conversions Part 2

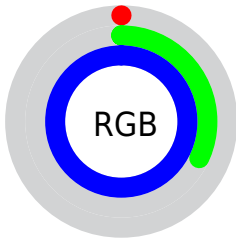
Format	Color
<code>RYB</code>	<code>0, 61, 255</code>
Decimal	<code>20991</code>
CIELab	<code>42.92, 48.26, -90.22</code>
CIELCh	<code>43, 102.316, 298.143</code>
Yxy	<code>13.1049, 0.1613, 0.1007</code>
Android (<code>android.graphics.Color</code>)	<code>4278211071 (0xFF0051FF)</code>
YUV	<code>76.6170, 87.9428, -67.1931</code>
Hunter-Lab	<code>36.2007, 40.1535, -131.9582</code>

Details

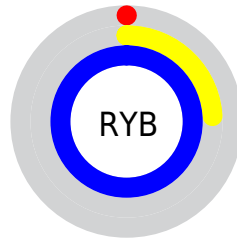
The Yxy color **13.1049, 0.1613, 0.1007** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark saturated blue. A complement of this color would be **51.5299, 0.4907, 0.4486**, and the grayscale version is **7.1971, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.8983, 0.2101, 0.1700**, and **5.3544, 0.1548, 0.0772** is the 20% darker color. If you saturate the color by 10%, you get **13.1057, 0.1613, 0.1007**, and if you desaturate by 10%, it is **16.2445, 0.1686, 0.1198**.

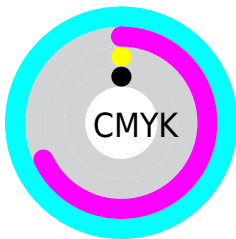
Distribution



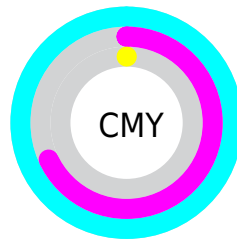
- Red (0%)
- Green (32%)
- Blue (100%)



- Red (0%)
- Yellow (24%)
- Blue (100%)



- Cyan (100%)
- Magenta (68%)
- Yellow (0%)
- Black (0%)





- Cyan (100%)
- Magenta (68%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.1049, 0.1613, 0.1007 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 13.1049, 0.1613, 0.1007 by changing the saturation by 10% instead.

 13.1049, 0.1613,
0.1007


 13.1049, 0.1613,
0.1007


211.5889, 0.2427,
0.2054


 7.5008, 0.1421,
0.0805


 31.4921, 0.1906,
0.1347


 3.7772, 0.1190,
0.0586


 45.0440, 0.2019,
0.1488

 1.5497, 0.0917,
0.0361

 62.0140, 0.2114,
0.1612

 0.3234, 0.0611,
0.0119

 82.7865, 0.2195,
0.1722

 0.0000, 0.0263,
0.0000

 107.7458, 0.2265,
0.1819

 0.0000, 0.0000,
0.0000

137.2764, 0.2326,

0.1906

171.7626, 0.2379,
0.1984

■ 13.1049, 0.1613,
0.1007

■ 13.1049, 0.1613,
0.1007

■ 13.1057, 0.1613,
0.1007

■ 16.2445, 0.1686,
0.1198

■ 20.3696, 0.1790,
0.1422

■ 25.6080, 0.1926,
0.1673

■ 32.0506, 0.2086,
0.1936

■ 39.7768, 0.2261,
0.2200

■ 48.8588, 0.2444,
0.2456

■ 59.3625, 0.2626,
0.2696

■ 71.3494, 0.2803,
0.2916

■ 84.8771, 0.2971,
0.3114

Harmonies

Analogous

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



13.1049, 0.0853, 0.0934



13.1049, 0.1613, 0.1007



13.1049, 0.3187, 0.1387

Triad

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



13.1049, 0.1613, 0.1007



13.1049, 0.6289, 0.3711



13.1049, 0.0926, 0.4570

Complementary

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



13.1049, 0.1613, 0.1007



51.5299, 0.4907, 0.4486

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.



13.1049, 0.1957, 0.7233



13.1049, 0.1613, 0.1007



13.1049, 0.4970, 0.5030

Square

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



13.1049, 0.1613, 0.1007



13.1049, 0.6715, 0.2838



13.1049, 0.3356, 0.6644



13.1049, 0.0536, 0.2106

Rectangle

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



13.1049, 0.1613, 0.1007



13.1049, 0.4692, 0.1821



13.1049, 0.3356, 0.6644



13.1049, 0.1204, 0.5700

Sweetspot

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



13.1057, 0.1613, 0.1007



59.3625, 0.2626, 0.2696



74.4223, 0.2567, 0.4441



11.7202, 0.2550, 0.2597



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.



13.1057, 0.1613, 0.1007



7.7228, 0.1561, 0.0634



18.3195, 0.2979, 0.3123



7.0839, 0.1621, 0.1036



0.8766, 0.1683, 0.1258

Inverse Universe

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



21.8542, 0.5748, 0.2940



85.5915, 0.3896, 0.5288



18.0822, 0.3244, 0.3215



11.4431, 0.5705, 0.2916



1.1330, 0.5385, 0.2740

Previews

White Background



This preview shows how the Yxy color 13.1049, 0.1613, 0.1007 looks on a white background.

Color Contrast Check

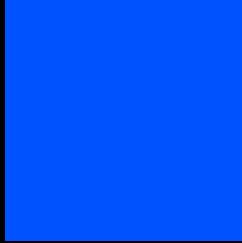
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.1049, 0.1613, 0.1007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

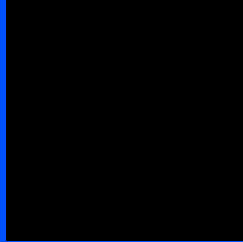
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.1049, 0.1613, 0.1007

Background



This preview shows how black text looks on a background with the Yxy color 13.1049, 0.1613, 0.1007.



This preview shows how white text looks on a background with the Yxy color 13.1049, 0.1613, 0.1007.

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

13.1049, 0.1613, 0.1007

Protanopia

12.9090, 0.1746, 0.1485

Deuteranopia

12.7565, 0.1862, 0.1901



Tritanopia

12.8963, 0.2205, 0.3137

Trichromacy



Original Color

13.1049, 0.1613, 0.1007

Protanomaly

12.8099, 0.1685, 0.1265

Deuteranomaly

12.4962, 0.1739, 0.1462

Tritanomaly

12.1345, 0.1872, 0.1938

Monochromacy



Original Color

13.1049, 0.1613, 0.1007

Achromatopsia

7.4214, 0.3127, 0.3290

Achromatomaly

8.0547, 0.2035, 0.1847

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1049, 0.1613, 0.1007 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, 81, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 81, 255)  
}
```

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, 81, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 81, 255) }
```

Border

The CSS property to change the border of an element to Yxy 13.1049, 0.1613, 0.1007 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, 81, 255) }
```

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

```
.border{ border-color:rgb(0, 81, 255) }
```

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

Here you see how a box with a 4 pixel rgb(0, 81, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 81, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 81, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 81, 255)  
}
```

Background

The CSS property to change the background color of an element to Yxy 13.1049, 0.1613, 0.1007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 81, 255) }
```

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

```
.background{ background-color: rgb(0, 81,  
255) }
```

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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