

Converting Colors

$Yxy(13.0414, 0.1646, 0.1126)$

Have a look what the booklet for
Yxy(13.0414, 0.1646, 0.1126)
contains.

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Color

Yxy(13.1077, 0.1647, 0.1128)

Conversions

Conversions Part 1

Format	Color
Hex	0057F0
RGB	0, 87, 240
RGB Percent	0%, 34%, 94%
CMY	0.9986, 0.6589, 0.0588
CMYK	1.00, 0.64, 0.00, 0.06
HSL	218°, 100%, 47%
HSV	218°, 100%, 94%
XYZ	19.1386, 13.1077, 83.9567
YIQ	78.4290, -100.9650, 29.1390

Conversions

Conversions Part 2

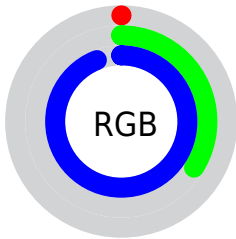
Format	Color
RYB	0, 64, 240
Decimal	22512
CIELab	42.93, 39.08, -81.80
CIELCh	43, 90.657, 295.533
Yxy	13.1077, 0.1647, 0.1128
Android (android.graphics.Color)	4278212592 (0xFF0057F0)
YUV	78.4290, 79.6545, -68.7822
Hunter-Lab	36.2046, 31.0016, -112.1475

Details

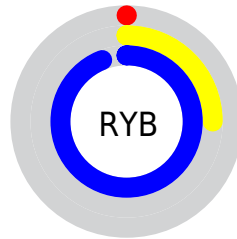
The Yxy color **13.1077, 0.1647, 0.1128** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark saturated blue. A complement of this color would be **41.4264, 0.5024, 0.4392**, and the grayscale version is **7.5846, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.2078, 0.2089, 0.1764**, and **5.1467, 0.1572, 0.0860** is the 20% darker color. If you saturate the color by 10%, you get **13.0692, 0.1646, 0.1125**, and if you desaturate by 10%, it is **16.0538, 0.1721, 0.1323**.

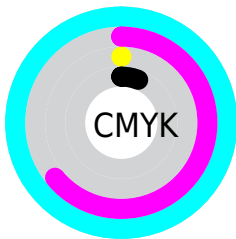
Distribution



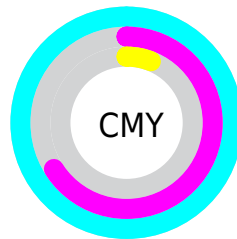
- Red (0%)
- Green (34%)
- Blue (94%)



- Red (0%)
- Yellow (25%)
- Blue (94%)



- Cyan (100%)
- Magenta (64%)
- Yellow (0%)
- Black (6%)





- Cyan (100%)
- Magenta (66%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1077, 0.1647, 0.1128 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 13.1077, 0.1647, 0.1128 by changing the saturation by 10% instead.


 13.1077, 0.1647,
0.1128


 13.1077, 0.1647,
0.1128


211.6068, 0.2450,
0.2159


 7.5028, 0.1452,
0.0917


 31.4971, 0.1941,
0.1474


 3.7785, 0.1214,
0.0681


 45.0504, 0.2052,
0.1613

 1.5504, 0.0928,
0.0431

 62.0219, 0.2145,
0.1735

 0.3238, 0.0605,
0.0147

 82.7961, 0.2225,
0.1842

 0.0000, 0.0165,
0.0000

 107.7572, 0.2294,
0.1936

 0.0000, 0.0000,
0.0000

137.2898, 0.2353,

0.2019

171.7782, 0.2405,
0.2093

■ 13.1077, 0.1647,
0.1128

■ 13.1077, 0.1647,
0.1128

■ 13.0692, 0.1646,
0.1125

■ 16.0538, 0.1721,
0.1323

■ 19.7992, 0.1825,
0.1544

■ 24.4462, 0.1957,
0.1784

■ 30.0654, 0.2111,
0.2033

■ 36.7193, 0.2281,
0.2280

■ 44.4637, 0.2457,
0.2518

■ 53.3504, 0.2635,
0.2740

■ 63.4273, 0.2808,
0.2944

■ 74.7392, 0.2974,
0.3128

Harmonies

Analogous

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



13.1077, 0.0947, 0.1085



13.1077, 0.1647, 0.1128



13.1077, 0.3043, 0.1477

Triad

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



13.1077, 0.1647, 0.1128



13.1077, 0.6227, 0.3773



13.1077, 0.1192, 0.4692

Complementary

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



13.1077, 0.1647, 0.1128



41.4264, 0.5024, 0.4392

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.



13.1077, 0.2279, 0.6821



13.1077, 0.1647, 0.1128



13.1077, 0.5079, 0.4921

Square

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



13.1077, 0.1647, 0.1128



13.1077, 0.6366, 0.2898



13.1077, 0.3654, 0.6346



13.1077, 0.0707, 0.2389

Rectangle

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



13.1077, 0.1647, 0.1128



13.1077, 0.4363, 0.1884



13.1077, 0.3654, 0.6346



13.1077, 0.1499, 0.5627

Sweetspot

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



13.1079, 0.1647, 0.1128



60.9621, 0.2631, 0.2735



64.5919, 0.2600, 0.4558



12.0930, 0.2556, 0.2643



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.



13.1079, 0.1647, 0.1128



14.9068, 0.1644, 0.1120



6.6107, 0.1544, 0.0625



16.1642, 0.2980, 0.3135



7.3843, 0.1654, 0.1155



0.7968, 0.1727, 0.1417

Inverse Universe

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



19.2203, 0.5569, 0.2843



22.0360, 0.5582, 0.2848



75.7355, 0.3957, 0.5240



15.8533, 0.3236, 0.3205



10.5388, 0.5531, 0.2821



0.8952, 0.5169, 0.2621

Previews

White Background



This preview shows how the Yxy color 13.1077, 0.1647, 0.1128 looks on a white background.

Color Contrast Check

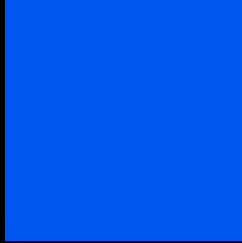
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.1077, 0.1647, 0.1128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

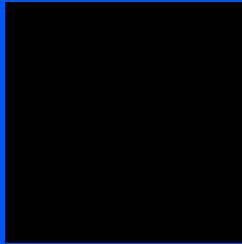
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.1077, 0.1647, 0.1128

Background



This preview shows how black text looks on a background with the Yxy color 13.1077, 0.1647, 0.1128.



This preview shows how white text looks on a background with the Yxy color 13.1077, 0.1647, 0.1128.

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

13.1077, 0.1647, 0.1128

Protanopia

12.9572, 0.1744, 0.1477

Deuteranopia

12.9958, 0.1864, 0.1909



Tritanopia

12.8963, 0.2205, 0.3137

Trichromacy



Original Color

13.1077, 0.1647, 0.1128

Protanomaly

12.8907, 0.1701, 0.1323

Deuteranomaly

12.8589, 0.1762, 0.1544

Tritanomaly

12.3091, 0.1907, 0.2064

Monochromacy



Original Color

13.1077, 0.1647, 0.1128

Achromatopsia

7.8187, 0.3127, 0.3290

Achromatomaly

8.5477, 0.2089, 0.2002

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1077, 0.1647, 0.1128 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, 87, 240)` looks like.

```
.text, #text, p{  
  color:rgb(0, 87, 240)  
}
```

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, 87, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 87, 240) }
```

Border

The CSS property to change the border of an element to Yxy 13.1077, 0.1647, 0.1128 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, 87, 240) }
```

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

```
.border{ border-color:rgb(0, 87, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 87, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 87, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 87, 240);  
box-shadow:4px 4px 4px 4px rgb(0, 87, 240)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.1077, 0.1647, 0.1128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 87, 240) }
```

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

```
.background{ background-color: rgb(0, 87,  
240) }
```

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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