

Converting Colors

$Yxy(11.9014, 0.1630, 0.1066)$

Have a look what the booklet for
Yxy(11.9014, 0.1630, 0.1066)
contains.

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Color

Yxy(11.8582, 0.1630, 0.1064)

Conversions

Conversions Part 1

Format	Color
Hex	0150ED
RGB	1, 80, 237
RGB Percent	0%, 31%, 93%
CMY	0.9945, 0.6863, 0.0707
CMYK	0.99, 0.66, 0.00, 0.07
HSL	220°, 99%, 47%
HSV	220°, 99%, 93%
XYZ	18.1662, 11.8582, 81.4248
YIQ	74.2770, -97.4810, 32.0790

Conversions

Conversions Part 2

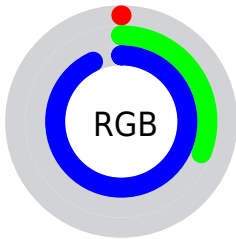
Format	Color
RYB	1, 60, 237
Decimal	86253
CIELab	40.99, 42.37, -83.28
CIELCh	41, 93.435, 296.965
Yxy	11.8582, 0.1630, 0.1064
Android (android.graphics.Color)	4278276333 (0xFF0150ED)
YUV	74.2770, 80.2224, -64.2639
Hunter-Lab	34.4357, 33.9033, -116.0888

Details

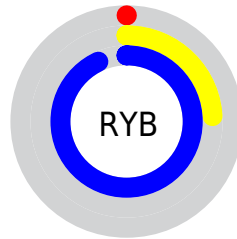
The Yxy color **11.8582, 0.1630, 0.1064** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **42.5823, 0.4940, 0.4456**, and the grayscale version is **6.7894, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.3000, 0.2071, 0.1678**, and **4.6184, 0.1558, 0.0809** is the 20% darker color. If you saturate the color by 10%, you get **11.7132, 0.1626, 0.1053**, and if you desaturate by 10%, it is **14.6474, 0.1706, 0.1259**.

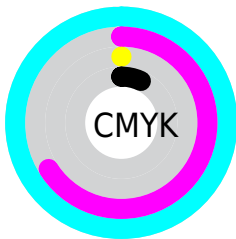
Distribution



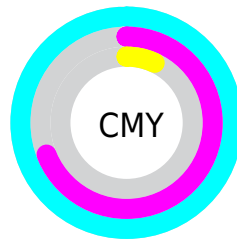
- Red (0%)
- Green (31%)
- Blue (93%)



- Red (0%)
- Yellow (24%)
- Blue (93%)



- Cyan (99%)
- Magenta (66%)
- Yellow (0%)
- Black (7%)





- Cyan (99%)
- Magenta (69%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8582, 0.1630, 0.1064 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 11.8582, 0.1630, 0.1064 by changing the saturation by 10% instead.


 11.8582, 0.1630,
0.1064


 11.8582, 0.1630,
0.1064


203.4643, 0.2452,
0.2124


 6.6472, 0.1429,
0.0850


 29.2366, 0.1932,
0.1417


 3.2425, 0.1184,
0.0614


 42.1727, 0.2045,
0.1561


 1.2596, 0.0892,
0.0370

 58.4528, 0.2141,
0.1686

 0.1096, 0.0567,
0.0053

 78.4610, 0.2223,
0.1796

 0.0000, 0.0073,
0.0000

 102.5819, 0.2292,
0.1893

 0.0000, 0.0000,
0.0000

131.1998, 0.2353,

0.1979

164.6991, 0.2405,
0.2056

■ 11.8582, 0.1630,
0.1064

■ 11.8582, 0.1630,
0.1064

■ 11.7132, 0.1626,
0.1053

■ 14.6474, 0.1706,
0.1259

■ 18.2558, 0.1812,
0.1484

■ 22.7833, 0.1948,
0.1732

■ 28.3022, 0.2107,
0.1990

■ 34.8762, 0.2280,
0.2247

■ 42.5629, 0.2461,
0.2494

■ 51.4153, 0.2641,
0.2726

■ 61.4826, 0.2815,
0.2938

■ 72.8113, 0.2981,
0.3129

Harmonies

Analogous

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



11.8582, 0.0898, 0.1004



11.8582, 0.1630, 0.1064



11.8582, 0.3118, 0.1430

Triad

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



11.8582, 0.1630, 0.1064



11.8582, 0.6259, 0.3741



11.8582, 0.1050, 0.4631

Complementary

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



11.8582, 0.1630, 0.1064



42.5823, 0.4940, 0.4456

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.



11.8582, 0.2112, 0.7032



11.8582, 0.1630, 0.1064



11.8582, 0.5023, 0.4977

Square

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



11.8582, 0.1630, 0.1064



11.8582, 0.6553, 0.2872



11.8582, 0.3501, 0.6499



11.8582, 0.0615, 0.2239

Rectangle

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



11.8582, 0.1630, 0.1064



11.8582, 0.4534, 0.1853



11.8582, 0.3501, 0.6499



11.8582, 0.1343, 0.5666

Sweetspot

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



11.8584, 0.1630, 0.1064



59.9412, 0.2628, 0.2710



62.9075, 0.2581, 0.4490



11.8549, 0.2552, 0.2614



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.



11.8584, 0.1630, 0.1064



13.7294, 0.1624, 0.1047



6.5314, 0.1557, 0.0634



15.3701, 0.2980, 0.3129



6.6127, 0.1634, 0.1082



0.6904, 0.1711, 0.1359

Inverse Universe

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



18.6081, 0.5662, 0.2896



21.9171, 0.5689, 0.2908



73.0562, 0.3928, 0.5261



15.1370, 0.3240, 0.3212



10.1604, 0.5636, 0.2878



0.8151, 0.5247, 0.2664

Previews

White Background



This preview shows how the Yxy color 11.8582, 0.1630, 0.1064 looks on a white background.

Color Contrast Check

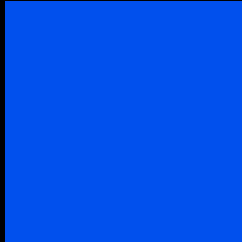
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.8582, 0.1630, 0.1064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

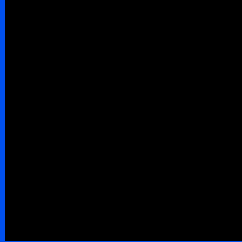
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.8582, 0.1630, 0.1064

Background



This preview shows how black text looks on a background with the Yxy color 11.8582, 0.1630, 0.1064.



This preview shows how white text looks on a background with the Yxy color 11.8582, 0.1630, 0.1064.

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

11.8582, 0.1630, 0.1064

Protanopia

11.7688, 0.1749, 0.1495

Tritanopia

11.7076, 0.2203, 0.3131

Trichromacy



Original Color

11.8582, 0.1630, 0.1064

Protanomaly

11.6390, 0.1697, 0.1305

Tritanomaly

11.0245, 0.1888, 0.1990

Monochromacy



Original Color

11.8582, 0.1630, 0.1064

Achromatopsia

6.8478, 0.3127, 0.3290

Achromatomaly

7.4907, 0.2075, 0.1934

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8582, 0.1630, 0.1064 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, 80, 237)` looks like.

```
.text, #text, p{  
    color:rgb(1, 80, 237)  
}
```

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, 80, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 80, 237) }
```

Border

The CSS property to change the border of an element to Yxy 11.8582, 0.1630, 0.1064 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, 80, 237) }
```

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

```
.border{ border-color:rgb(1, 80, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 80, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 80, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 80, 237);  
box-shadow:4px 4px 4px 4px rgb(1, 80, 237)  
}
```

Background

The CSS property to change the background color of an element to Yxy 11.8582, 0.1630, 0.1064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 80, 237) }
```

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

```
.background{ background-color: rgb(1, 80,  
237) }
```

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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