

Converting Colors

$Y_{xy}(11.8930, 0.1630, 0.1032)$

Have a look what the booklet for
Yxy(11.8930, 0.1630, 0.1032)
contains.

Yxy(11.8930, 0.1630, 0.1032)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	29

Color

Yxy(11.8930, 0.1630, 0.1032)

Conversions

Conversions Part 1

Format	Color
Hex	0E4EF1
RGB	14, 78, 241
RGB Percent	5%, 31%, 95%
CMY	0.9464, 0.6941, 0.0547
CMYK	0.94, 0.68, 0.00, 0.05
HSL	223°, 89%, 50%
HSV	223°, 94%, 95%
XYZ	18.7845, 11.8930, 84.5648
YIQ	77.4460, -90.4670, 37.1250

Conversions

Conversions Part 2

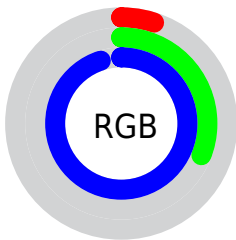
Format	Color
R _Y B	14, 64, 241
Decimal	937713
CIE Lab	41.05, 45.36, -85.49
CIE LCh	41, 96.774, 297.950
Yxy	11.8930, 0.1630, 0.1032
Android (android.graphics.Color)	4279127793 (0xFF0E4EF1)
YUV	77.4460, 80.6321, -55.6421
Hunter-Lab	34.4862, 36.8772, -121.2465

Details

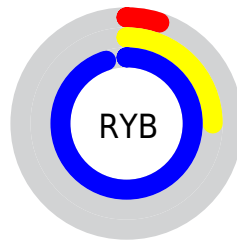
The Yxy color **11.8930, 0.1630, 0.1032** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark saturated blue. A complement of this color would be **50.0790, 0.4755, 0.4576**, and the grayscale version is **7.3506, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.9762, 0.2082, 0.1660**, and **4.6210, 0.1551, 0.0783** is the 20% darker color. If you saturate the color by 10%, you get **10.5112, 0.1592, 0.0932**, and if you desaturate by 10%, it is **14.9975, 0.1721, 0.1241**.

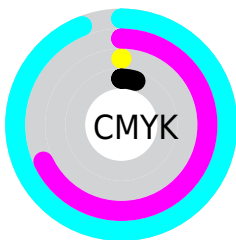
Distribution



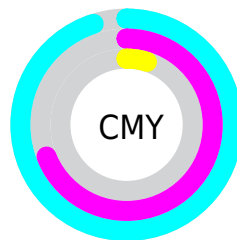
- Red (5%)
- Green (31%)
- Blue (95%)



- Red (5%)
- Yellow (25%)
- Blue (95%)



- Cyan (94%)
- Magenta (68%)
- Yellow (0%)
- Black (5%)



- Cyan (95%)
- Magenta (69%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8930, 0.1630, 0.1032 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 11.8930, 0.1630, 0.1032 by changing the saturation by 10% instead.


 11.8930, 0.1630,
0.1032


 11.8930, 0.1630,
0.1032


203.6956, 0.2450,
0.2095


 6.6709, 0.1430,
0.0821


 29.3001, 0.1930,
0.1383


 3.2571, 0.1188,
0.0591


 42.2538, 0.2044,
0.1527

 1.2674, 0.0900,
0.0353

 58.5535, 0.2140,
0.1653

 0.1157, 0.0579,
0.0053

 78.5836, 0.2221,
0.1764

 0.0000, 0.0129,
0.0000

 102.7285, 0.2291,
0.1861

 0.0000, 0.0000,
0.0000

131.3725, 0.2351,

0.1948

164.9001, 0.2404,
0.2026

■ 11.8930, 0.1630,
0.1032

■ 11.8930, 0.1630,
0.1032

■ 10.5112, 0.1592,
0.0932

■ 14.9975, 0.1721,
0.1241

■ 19.0890, 0.1846,
0.1485

■ 24.2591, 0.2000,
0.1752

■ 30.5870, 0.2174,
0.2028

■ 38.1436, 0.2358,
0.2300

■ 46.9936, 0.2545,
0.2560

■ 57.1968, 0.2727,
0.2800

■ 68.8092, 0.2900,
0.3018

■ 81.8834, 0.3061,
0.3213

Harmonies

Analogous

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



11.8930, 0.0875, 0.0961



11.8930, 0.1630, 0.1032



11.8930, 0.3178, 0.1410

Triad

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



11.8930, 0.1630, 0.1032



11.8930, 0.6267, 0.3733



11.8930, 0.0969, 0.4566

Complementary

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



11.8930, 0.1630, 0.1032



50.0790, 0.4755, 0.4576

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.



11.8930, 0.2009, 0.7142



11.8930, 0.1630, 0.1032



11.8930, 0.4978, 0.5022

Square

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



11.8930, 0.1630, 0.1032



11.8930, 0.6653, 0.2860



11.8930, 0.3402, 0.6598



11.8930, 0.0566, 0.2146

Rectangle

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



11.8930, 0.1630, 0.1032



11.8930, 0.4648, 0.1841



11.8930, 0.3402, 0.6598



11.8930, 0.1252, 0.5658

Sweetspot

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



11.8932, 0.1630, 0.1032



60.4507, 0.2659, 0.2712



66.1916, 0.2506, 0.4194



11.8784, 0.2580, 0.2607



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.



11.8932, 0.1630, 0.1032



11.8722, 0.1591, 0.0927



7.7143, 0.1650, 0.0704



15.9568, 0.2980, 0.3116



5.8943, 0.1600, 0.0959



0.6532, 0.1670, 0.1213

Inverse Universe

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



19.5654, 0.5698, 0.2948



21.7296, 0.5870, 0.3007



74.1508, 0.3822, 0.5323



15.8324, 0.3249, 0.3223



10.3884, 0.5821, 0.2980



0.8807, 0.5448, 0.2775

Previews

White Background



This preview shows how the Yxy color 11.8930, 0.1630, 0.1032 looks on a white background.

Color Contrast Check

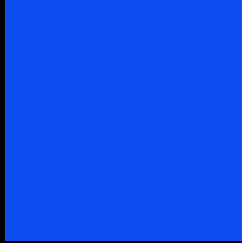
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.8930, 0.1630, 0.1032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

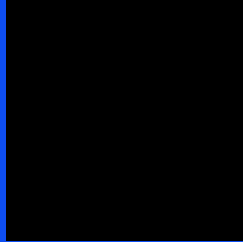
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 11.8930, 0.1630, 0.1032

Background



This preview shows how black text looks on a background with the Yxy color 11.8930, 0.1630, 0.1032.

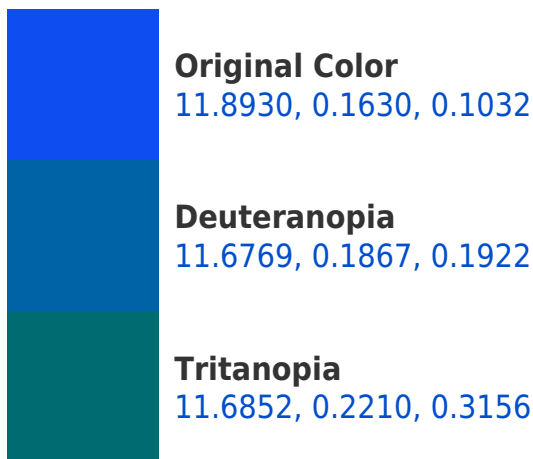


This preview shows how white text looks on a background with the Yxy color 11.8930, 0.1630, 0.1032.

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



Trichromacy



Original Color

11.8930, 0.1630, 0.1032

Deuteranomaly

11.3647, 0.1750, 0.1481

Tritanomaly

10.9012, 0.1884, 0.1955

Monochromacy



Original Color

11.8930, 0.1630, 0.1032

Achromatopsia

7.4214, 0.3127, 0.3290

Achromatomaly

7.8982, 0.2103, 0.1911

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8930, 0.1630, 0.1032 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(14, 78, 241)` looks like.

```
.text, #text, p{  
    color:rgb(14, 78, 241)  
}
```

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(14, 78, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 78, 241) }
```

Border

The CSS property to change the border of an element to Yxy 11.8930, 0.1630, 0.1032 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(14, 78, 241) }
```

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

```
.border{ border-color:rgb(14, 78, 241) }
```

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

Here you see how a box with a 4 pixel rgb(14, 78, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 78, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 78, 241);  
box-shadow:4px 4px 4px 4px rgb(14, 78,  
241) }
```

Background

The CSS property to change the background color of an element to Yxy 11.8930, 0.1630, 0.1032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 78, 241) }
```

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

```
.background{ background-color: rgb(14, 78,  
241) }
```

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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