

Converting Colors

$Y_{xy}(5.8380, 0.1513, 0.0609)$

Have a look what the booklet for
Yxy(5.8380, 0.1513, 0.0609)
contains.

Yxy(5.8130, 0.1513, 0.0609)	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>	30

Color

Yxy(5.8130, 0.1513, 0.0609)

Conversions

Conversions Part 1

Format	Color
Hex	0C01E6
RGB	12, 1, 230
RGB Percent	5%, 0%, 90%
CMY	0.9525, 0.9959, 0.0982
CMYK	0.95, 1.00, 0.00, 0.10
HSL	243°, 99%, 45%
HSV	243°, 100%, 90%
XYZ	14.4418, 5.8130, 75.1967
YIQ	30.3950, -66.9530, 73.5510

Conversions

Conversions Part 2

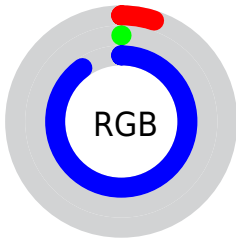
Format	Color
R_{YB}	12, 1, 230
Decimal	786918
CIE Lab	28.94, 73.12, -99.31
CIE LCh	29, 123.323, 306.363
Yxy	5.8130, 0.1513, 0.0609
Android (android.graphics.Color)	4278976998 (0xFF0C01E6)
YUV	30.3950, 98.4053, -16.1324
Hunter-Lab	24.1102, 64.7275, -168.0414

Details

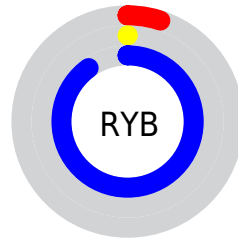
The Yxy color **5.8130, 0.1513, 0.0609** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **71.6218, 0.4108, 0.5119**, and the grayscale version is **1.2667, 0.3127, 0.3290**.

A 20% lighter version of the original color is **15.0672, 0.1973, 0.1088**, and **2.9786, 0.1500, 0.0600** is the 20% darker color. If you saturate the color by 10%, you get **5.7830, 0.1511, 0.0606**, and if you desaturate by 10%, it is **6.7065, 0.1569, 0.0689**.

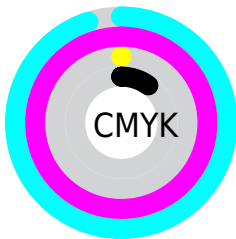
Distribution



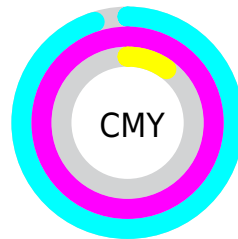
- Red (5%)
- Green (0%)
- Blue (90%)



- Red (5%)
- Yellow (0%)
- Blue (90%)



- Cyan (95%)
- Magenta (100%)
- Yellow (0%)
- Black (10%)





- Cyan (95%)
- Magenta (100%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 5.8130, 0.1513, 0.0609 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 5.8130, 0.1513, 0.0609 by changing the saturation by 10% instead.


 5.8130, 0.1513,
0.0609


 5.8130, 0.1513,
0.0609


157.4007, 0.2457,
0.1812


 2.7317, 0.1280,
0.0411


 17.5419, 0.1865,
0.0978


 0.9933, 0.1002,
0.0222

 26.9583, 0.1997,
0.1139


 0.0000, 0.0691,
0.0000

 39.2552, 0.2108,
0.1284

 0.0000, 0.0351,
0.0000


 54.8169, 0.2201,
0.1414


 0.0000, 0.0000,
0.0000


 74.0279, 0.2280,
0.1530


 97.2727, 0.2347,


0.1634


 124.9354, 0.2406,
0.1728

 5.8130, 0.1513,
0.0609


 5.8130, 0.1513,
0.0609


 5.7830, 0.1511,
0.0606

 6.7065, 0.1569,
0.0689

 8.5852, 0.1674,
0.0849

 11.7067, 0.1825,
0.1090

 16.2364, 0.2012,
0.1395

 22.3142, 0.2218,
0.1737

■ 30.0634, 0.2428,
0.2091

■ 39.5946, 0.2631,
0.2435

■ 51.0092, 0.2818,
0.2756

■ 64.4007, 0.2986,
0.3045

Harmonies

Analogous

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



5.8130, 0.0558, 0.0478



5.8130, 0.1513, 0.0609



5.8130, 0.3946, 0.1046

Triad

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



5.8130, 0.1513, 0.0609



5.8130, 0.6528, 0.3472



5.8130, 0.0033, 0.3595

Complementary

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



5.8130, 0.1513, 0.0609



71.6218, 0.4108, 0.5119

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.



5.8130, 0.0468, 0.9482



5.8130, 0.1513, 0.0609



5.8130, 0.4328, 0.5672

Square

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



5.8130, 0.1513, 0.0609



5.8130, 0.7669, 0.2331



5.8130, 0.1865, 0.8135



5.8130, 0.0117, 0.1099

Rectangle

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



5.8130, 0.1513, 0.0609



5.8130, 0.6289, 0.1513



5.8130, 0.1865, 0.8135



5.8130, 0.0038, 0.5561

Sweetspot

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



5.8130, 0.1513, 0.0609



49.2289, 0.2619, 0.2414



58.1377, 0.2218, 0.3185



9.3962, 0.2534, 0.2270



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.



5.8130, 0.1513, 0.0609



7.3004, 0.1510, 0.0606



9.9553, 0.2081, 0.0922



13.9202, 0.2988, 0.3047



3.2901, 0.1515, 0.0608



0.2549, 0.1559, 0.0632

Inverse Universe

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



21.9496, 0.3335, 0.1612



27.7121, 0.3336, 0.1612



59.7563, 0.3315, 0.5748



14.6026, 0.3145, 0.3069



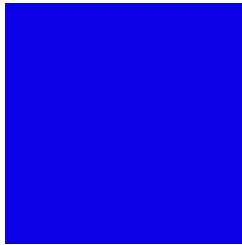
12.4220, 0.3333, 0.1610



0.9217, 0.3314, 0.1599

Previews

White Background



This preview shows how the Yxy color 5.8130, 0.1513, 0.0609 looks on a white background.

Color Contrast Check

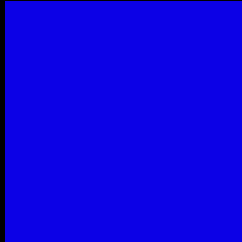
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the Yxy color 5.8130, 0.1513, 0.0609 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

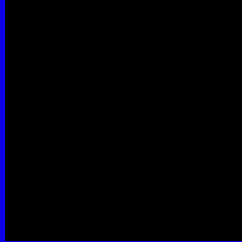
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 5.8130, 0.1513, 0.0609

Background



This preview shows how black text looks on a background with the Yxy color 5.8130, 0.1513, 0.0609.



This preview shows how white text looks on a background with the Yxy color 5.8130, 0.1513, 0.0609.

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

5.8130, 0.1513, 0.0609

Protanopia

5.9374, 0.1759, 0.1533

Deuteranopia

5.9666, 0.1887, 0.1994



Tritanopia

5.9018, 0.2208, 0.3148

Trichromacy



Original Color
5.8130, 0.1513, 0.0609

Protanomaly
4.7707, 0.1588, 0.0896

Deuteranomaly
4.4830, 0.1617, 0.0995

Tritanomaly
3.9717, 0.1679, 0.1208

Monochromacy



Original Color
5.8130, 0.1513, 0.0609

Achromatopsia
1.2983, 0.3127, 0.3290

Achromatomaly
1.6272, 0.1719, 0.0922

CSS Examples

Text

The CSS property to change the color of the text to Yxy 5.8130, 0.1513, 0.0609 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(12, 1, 230)` looks like.

```
.text, #text, p{  
    color:rgb(12, 1, 230)  
}
```

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(12, 1, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 1, 230) }
```

Border

The CSS property to change the border of an element to Yxy 5.8130, 0.1513, 0.0609 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(12, 1, 230) }
```

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

```
.border{ border-color:rgb(12, 1, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 1, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 1, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 1, 230);  
box-shadow:4px 4px 4px 4px rgb(12, 1, 230)  
}
```


Background

The CSS property to change the background color of an element to Yxy 5.8130, 0.1513, 0.0609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 1, 230) }
```

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

```
.background{ background-color: rgb(12, 1,  
230) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor