

# Converting Colors

$Y_{xy}(11.8419, 0.1701, 0.1267)$

Have a look what the booklet for  
Yxy(11.8419, 0.1701, 0.1267)  
contains.

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# Color

**Yxy(11.8419, 0.1701, 0.1267)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	1157D7
RGB	17, 87, 215
RGB Percent	7%, 34%, 84%
CMY	0.9346, 0.6587, 0.1569
CMYK	0.92, 0.60, 0.00, 0.16
HSL	219°, 86%, 45%
HSV	219°, 92%, 84%
XYZ	15.8982, 11.8419, 65.7239
YIQ	80.6620, -82.8080, 24.9680

# Conversions

## Conversions Part 2

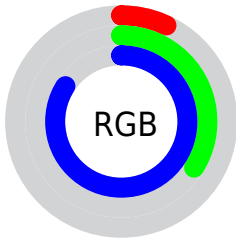
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	17, 69, 215
Decimal	1136599
CIE <sub>Lab</sub>	40.96, 29.96, -70.81
CIE <sub>LCh</sub>	41, 76.888, 292.931
Yxy	11.8419, 0.1701, 0.1267
Android (android.graphics.Color)	4279326679 (0xFF1157D7)
YUV	80.6620, 66.2286, -55.8316
Hunter-Lab	34.4121, 22.2452, -89.1501

# Details

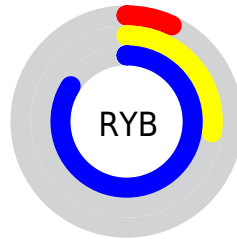
The Yxy color **11.8419, 0.1701, 0.1267** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed blue. A complement of this color would be **34.6206, 0.4896, 0.4439**, and the grayscale version is **8.0211, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.8925, 0.2063, 0.1755**, and **4.2310, 0.1597, 0.0949** is the 20% darker color. If you saturate the color by 10%, you get **10.1111, 0.1644, 0.1118**, and if you desaturate by 10%, it is **14.6081, 0.1799, 0.1483**.

# Distribution



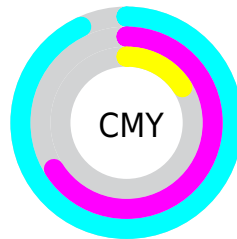
- Red (7%)
- Green (34%)
- Blue (84%)



- Red (7%)
- Yellow (27%)
- Blue (84%)



- Cyan (92%)
- Magenta (60%)
- Yellow (0%)
- Black (16%)



- Cyan (93%)
- Magenta (66%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 11.8419, 0.1701, 0.1267 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 11.8419, 0.1701, 0.1267 by changing the saturation by 10% instead.



■ 11.8419, 0.1701,  
0.1267

■ 11.8419, 0.1701,  
0.1267

203.3558, 0.2497,  
0.2287

■ 6.6361, 0.1496,  
0.1041

■ 29.2068, 0.2000,  
0.1623

■ 3.2356, 0.1241,  
0.0779

■ 42.1348, 0.2111,  
0.1763

■ 1.2559, 0.0928,  
0.0491

■ 58.4055, 0.2203,  
0.1883

■ 0.1067, 0.0571,  
0.0073

■ 78.4035, 0.2280,  
0.1986

■ 0.0000, 0.0000,  
0.0000

■ 102.5132, 0.2347,  
0.2076

131.1188, 0.2404,

0.2155

164.6049, 0.2454,  
0.2225

■ 11.8419, 0.1701,  
0.1267

■ 11.8419, 0.1701,  
0.1267

■ 10.1111, 0.1644,  
0.1118

■ 14.6081, 0.1799,  
0.1483

■ 18.0645, 0.1925,  
0.1721

■ 22.2679, 0.2076,  
0.1969

■ 27.2677, 0.2243,  
0.2218

■ 33.1082, 0.2418,  
0.2460

■ 39.8301, 0.2596,  
0.2687

■ 47.4712, 0.2770,  
0.2896

■ 56.0669, 0.2936,  
0.3085

■ 65.6506, 0.3093,  
0.3255

# Harmonies

## Analogous

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



11.8419, 0.1062, 0.1257



11.8419, 0.1701, 0.1267



11.8419, 0.2933, 0.1580

# Triad

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



11.8419, 0.1701, 0.1267



11.8419, 0.6022, 0.3772



11.8419, 0.1472, 0.4729

# Complementary

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



11.8419, 0.1701, 0.1267



34.6206, 0.4896, 0.4439

# 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.



11.8419, 0.2569, 0.6404



11.8419, 0.1701, 0.1267



11.8419, 0.5157, 0.4843

# Square

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



11.8419, 0.1701, 0.1267



11.8419, 0.5982, 0.2943



11.8419, 0.3915, 0.6085



11.8419, 0.0910, 0.2658



# Rectangle

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



11.8419, 0.1701, 0.1267



11.8419, 0.4080, 0.1957



11.8419, 0.3915, 0.6085



11.8419, 0.1792, 0.5481

# Sweetspot

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



11.8422, 0.1701, 0.1267



62.9278, 0.2665, 0.2772



50.6679, 0.2581, 0.4444



12.4614, 0.2589, 0.2678



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.



11.8422, 0.1701, 0.1267



14.6111, 0.1639, 0.1102



5.8122, 0.1603, 0.0692



12.7224, 0.2982, 0.3135



6.2308, 0.1652, 0.1145



0.5295, 0.1749, 0.1497



# Inverse Universe

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



15.5235, 0.5355, 0.2777



22.0061, 0.5608, 0.2863



59.3901, 0.3962, 0.5198



12.4929, 0.3236, 0.3208



8.9738, 0.5544, 0.2828



0.5568, 0.5063, 0.2563



# Previews

## White Background



This preview shows how the Yxy color 11.8419, 0.1701, 0.1267 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 11.8419, 0.1701, 0.1267 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

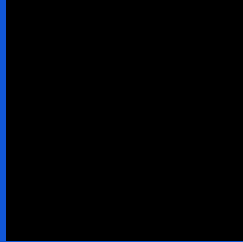
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**Yxy 11.8419, 0.1701, 0.1267**

## **Background**



This preview shows how black text looks on a background with the Yxy color 11.8419, 0.1701, 0.1267.



This preview shows how white text looks on a background with the Yxy color 11.8419, 0.1701, 0.1267.

# 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

11.8419, 0.1701, 0.1267

### Protanopia

11.8142, 0.1746, 0.1487

### Deuteranopia

11.7508, 0.1860, 0.1896



## Tritanopia

11.7076, 0.2203, 0.3131

# Trichromacy



## Original Color

11.8419, 0.1701, 0.1267

## Protanomaly

11.8327, 0.1728, 0.1401

## Deuteranomaly

11.7259, 0.1792, 0.1626

## Tritanomaly

11.3551, 0.1949, 0.2183

# Monochromacy



## Original Color

11.8419, 0.1701, 0.1267

## Achromatopsia

8.2283, 0.3127, 0.3290

## Achromatomaly

8.6978, 0.2223, 0.2180

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 11.8419, 0.1701, 0.1267 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(17, 87, 215)` looks like.

```
.text, #text, p{  
    color:rgb(17, 87, 215)  
}
```

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(17, 87, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 87, 215) }
```

## Border

The CSS property to change the border of an element to Yxy 11.8419, 0.1701, 0.1267 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(17, 87, 215) }
```

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

```
.border{ border-color:rgb(17, 87, 215) }
```

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

Here you see how a box with a 4 pixel rgb(17, 87, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 87, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 87, 215);  
box-shadow:4px 4px 4px 4px rgb(17, 87,  
215) }
```



# Background

The CSS property to change the background color of an element to Yxy 11.8419, 0.1701, 0.1267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 87, 215) }
```

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

```
.background{ background-color: rgb(17, 87,  
215) }
```

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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