

Converting Colors

$Yxy(13.9692, 0.1705, 0.1339)$

Have a look what the booklet for
Yxy(13.9692, 0.1705, 0.1339)
contains.

Yxy(13.9312, 0.1706, 0.1340)	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(13.9312, 0.1706, 0.1340)

Conversions

Conversions Part 1

Format	Color
Hex	0061E0
RGB	0, 97, 224
RGB Percent	0%, 38%, 88%
CMY	0.9982, 0.6197, 0.1214
CMYK	1.00, 0.57, 0.00, 0.12
HSL	214°, 100%, 44%
HSV	214°, 100%, 88%
XYZ	17.7363, 13.9312, 72.2967
YIQ	82.4750, -98.5790, 18.9330

Conversions

Conversions Part 2

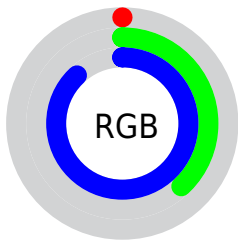
Format	Color
RYB	0, 68, 224
Decimal	25056
CIELab	44.13, 26.52, -70.80
CIELCh	44, 75.607, 290.537
Yxy	13.9312, 0.1706, 0.1340
Android (android.graphics.Color)	4278215136 (0xFF0061E0)
YUV	82.4750, 69.7718, -72.3306
Hunter-Lab	37.3245, 19.5037, -88.7161

Details

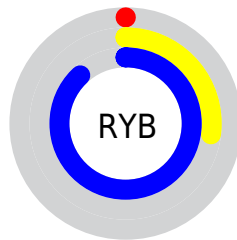
The Yxy color **13.9312, 0.1706, 0.1340** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **31.1659, 0.5220, 0.4236**, and the grayscale version is **8.4373, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0907, 0.2089, 0.1893**, and **5.2831, 0.1620, 0.1032** is the 20% darker color. If you saturate the color by 10%, you get **13.8800, 0.1705, 0.1336**, and if you desaturate by 10%, it is **16.6531, 0.1780, 0.1531**.

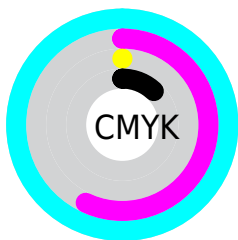
Distribution



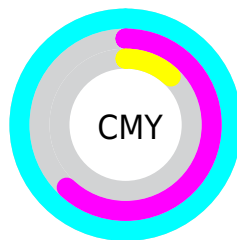
- Red (0%)
- Green (38%)
- Blue (88%)



- Red (0%)
- Yellow (27%)
- Blue (88%)



- Cyan (100%)
- Magenta (57%)
- Yellow (0%)
- Black (12%)





- Cyan (100%)
- Magenta (62%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.9312, 0.1706, 0.1340 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 13.9312, 0.1706, 0.1340 by changing the saturation by 10% instead.


 13.9312, 0.1706,
0.1340


 13.9312, 0.1706,
0.1340


216.8024, 0.2481,
0.2314


 8.0728, 0.1511,
0.1124


 32.9669, 0.1993,
0.1680


 4.1416, 0.1271,
0.0871


 46.9130, 0.2100,
0.1813

 1.7531, 0.0975,
0.0587

 64.3239, 0.2190,
0.1927

 0.4577, 0.0630,
0.0261

 85.5838, 0.2267,
0.2026

 0.0000, 0.0032,
0.0000

 111.0772, 0.2332,
0.2112

 0.0000, 0.0000,
0.0000

141.1885, 0.2389,

0.2188

176.3021, 0.2438,
0.2255

■ 13.9312, 0.1706,
0.1340

■ 13.9312, 0.1706,
0.1340

■ 13.8800, 0.1705,
0.1336

■ 16.6531, 0.1780,
0.1531

■ 19.9749, 0.1879,
0.1740

■ 23.9766, 0.2003,
0.1959

■ 28.7104, 0.2148,
0.2182

■ 34.2221, 0.2307,
0.2401

■ 40.5526, 0.2475,
0.2611

■ 47.7396, 0.2645,
0.2806

■ 55.8181, 0.2813,
0.2986

■ 64.8210, 0.2976,
0.3148

Harmonies

Analogous

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



13.9312, 0.1115, 0.1360



13.9312, 0.1706, 0.1340



13.9312, 0.2837, 0.1623

Triad

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



13.9312, 0.1706, 0.1340



13.9312, 0.5921, 0.3740



13.9312, 0.1647, 0.4794

Complementary

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



13.9312, 0.1706, 0.1340



31.1659, 0.5220, 0.4236

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.



13.9312, 0.2745, 0.6210



13.9312, 0.1706, 0.1340



13.9312, 0.5205, 0.4759

Square

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



13.9312, 0.1706, 0.1340



13.9312, 0.5752, 0.2932



13.9312, 0.4011, 0.5834



13.9312, 0.1036, 0.2840

Rectangle

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



13.9312, 0.1706, 0.1340



13.9312, 0.3893, 0.1976



13.9312, 0.4011, 0.5834



13.9312, 0.1974, 0.5451

Sweetspot

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



13.9315, 0.1706, 0.1340



63.5940, 0.2638, 0.2798



54.8671, 0.2665, 0.4792



12.7095, 0.2566, 0.2717



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.



13.9315, 0.1706, 0.1340



18.3897, 0.1701, 0.1324



5.4982, 0.1518, 0.0611



14.2116, 0.2981, 0.3153



8.2956, 0.1712, 0.1364



0.7504, 0.1796, 0.1665

Inverse Universe

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



16.7249, 0.5271, 0.2679



22.3876, 0.5294, 0.2690



66.9026, 0.4076, 0.5145



13.7983, 0.3225, 0.3189



9.7455, 0.5239, 0.2660



0.6932, 0.4850, 0.2445

Previews

White Background



This preview shows how the Yxy color 13.9312, 0.1706, 0.1340 looks on a white background.

Color Contrast Check

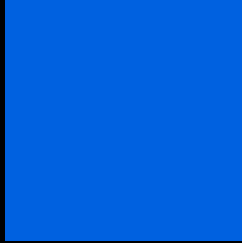
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.9312, 0.1706, 0.1340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

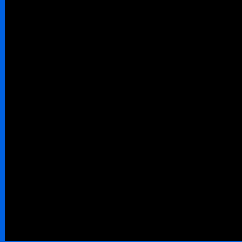
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

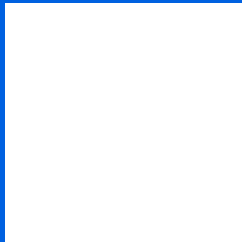
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 13.9312, 0.1706, 0.1340

Background



This preview shows how black text looks on a background with the Yxy color 13.9312, 0.1706, 0.1340.



This preview shows how white text looks on a background with the Yxy color 13.9312, 0.1706, 0.1340.

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

13.9312, 0.1706, 0.1340

Protanopia

13.8678, 0.1741, 0.1469

Deuteranopia

13.9343, 0.1853, 0.1870



Tritanopia

13.6666, 0.2199, 0.3117

Trichromacy



Original Color

13.9312, 0.1706, 0.1340

Protanomaly

13.8815, 0.1729, 0.1424

Deuteranomaly

13.7777, 0.1788, 0.1638

Tritanomaly

13.2283, 0.1950, 0.2220

Monochromacy



Original Color

13.9312, 0.1706, 0.1340

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

9.4576, 0.2173, 0.2220

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.9312, 0.1706, 0.1340 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, 97, 224)` looks like.

```
.text, #text, p{  
    color:rgb(0, 97, 224)  
}
```

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, 97, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 97, 224) }
```

Border

The CSS property to change the border of an element to Yxy 13.9312, 0.1706, 0.1340 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, 97, 224) }
```

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

```
.border{ border-color:rgb(0, 97, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 97, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 97, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 97, 224);  
box-shadow:4px 4px 4px 4px rgb(0, 97, 224)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.9312, 0.1706, 0.1340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 97, 224) }
```

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

```
.background{ background-color: rgb(0, 97,  
224) }
```

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