

Converting Colors

$Y_{xy}(10.8782, 0.1639, 0.1100)$

Have a look what the booklet for
Yxy(10.8782, 0.1639, 0.1100)
contains.

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Color

Yxy(10.8306, 0.1638, 0.1097)

Conversions

Conversions Part 1

Format	Color
Hex	004EE0
RGB	0, 78, 224
RGB Percent	0%, 31%, 88%
CMY	1.0000, 0.6940, 0.1217
CMYK	1.00, 0.65, 0.00, 0.12
HSL	219°, 100%, 44%
HSV	219°, 100%, 88%
XYZ	16.1719, 10.8306, 71.7268
YIQ	71.3220, -93.3540, 28.8700

Conversions

Conversions Part 2

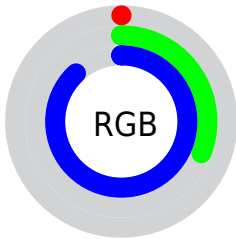
Format	Color
R _{YB}	0, 58, 224
Decimal	20192
CIE _{Lab}	39.29, 38.73, -78.69
CIE _{LCh}	39, 87.702, 296.205
Yxy	10.8306, 0.1638, 0.1097
Android (android.graphics.Color)	4278210272 (0xFF004EE0)
YUV	71.3220, 75.2703, -62.5494
Hunter-Lab	32.9099, 30.1223, -106.1852

Details

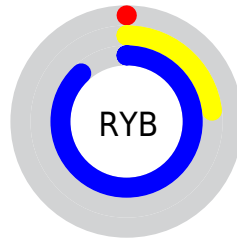
The Yxy color **10.8306, 0.1638, 0.1097** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **36.3758, 0.4985, 0.4424**, and the grayscale version is **6.2426, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.5245, 0.2044, 0.1646**, and **3.9921, 0.1562, 0.0823** is the 20% darker color. If you saturate the color by 10%, you get **10.8319, 0.1638, 0.1097**, and if you desaturate by 10%, it is **13.3165, 0.1714, 0.1291**.

Distribution



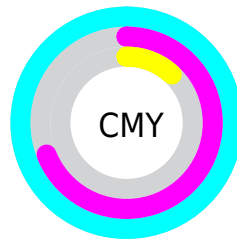
- Red (0%)
- Green (31%)
- Blue (88%)



- Red (0%)
- Yellow (23%)
- Blue (88%)



- Cyan (100%)
- Magenta (65%)
- Yellow (0%)
- Black (12%)





- Cyan (100%)
- Magenta (69%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.8306, 0.1638, 0.1097 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 10.8306, 0.1638, 0.1097 by changing the saturation by 10% instead.


 10.8306, 0.1638,
0.1097


 10.8306, 0.1638,
0.1097


196.5017, 0.2469,
0.2170


 5.9530, 0.1429,
0.0874


 27.3465, 0.1947,
0.1461

 2.8165, 0.1173,
0.0625

 39.7536, 0.2063,
0.1607


 1.0367, 0.0864,
0.0365

 55.4394, 0.2159,
0.1734

 0.0000, 0.0523,
0.0000

 74.7882, 0.2241,
0.1844

 0.0000, 0.0000,
0.0000

 98.1844, 0.2311,
0.1941

126.0125, 0.2371,

0.2026

158.6568, 0.2423,
0.2102

■ 10.8306, 0.1638,
0.1097

■ 10.8306, 0.1638,
0.1097

■ 10.8319, 0.1638,
0.1097

■ 13.3165, 0.1714,
0.1291

■ 16.4922, 0.1818,
0.1514

■ 20.4505, 0.1951,
0.1757

■ 25.2527, 0.2107,
0.2009

■ 30.9529, 0.2277,
0.2260

■ 37.5997, 0.2455,
0.2502

■ 45.2380, 0.2633,
0.2728

■ 53.9095, 0.2807,
0.2936

■ 63.6534, 0.2972,
0.3123

Harmonies

Analogous

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



10.8306, 0.0923, 0.1046



10.8306, 0.1638, 0.1097



10.8306, 0.3077, 0.1454

Triad

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



10.8306, 0.1638, 0.1097



10.8306, 0.6243, 0.3757



10.8306, 0.1124, 0.4667

Complementary

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



10.8306, 0.1638, 0.1097



36.3758, 0.4985, 0.4424

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.



10.8306, 0.2201, 0.6922



10.8306, 0.1638, 0.1097



10.8306, 0.5053, 0.4947

Square

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



10.8306, 0.1638, 0.1097



10.8306, 0.6456, 0.2886



10.8306, 0.3583, 0.6417



10.8306, 0.0662, 0.2318

Rectangle

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



10.8306, 0.1638, 0.1097



10.8306, 0.4442, 0.1869



10.8306, 0.3583, 0.6417



10.8306, 0.1425, 0.5649

Sweetspot

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



10.8319, 0.1638, 0.1097



60.4800, 0.2629, 0.2723



55.3491, 0.2582, 0.4494



11.9805, 0.2554, 0.2629



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.



10.8319, 0.1638, 0.1097



14.3386, 0.1635, 0.1085



5.7126, 0.1555, 0.0630



14.0204, 0.2981, 0.3133



6.5024, 0.1646, 0.1125



0.6143, 0.1732, 0.1435

Inverse Universe

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



16.3905, 0.5615, 0.2867



21.9786, 0.5633, 0.2877



64.2809, 0.3928, 0.5263



13.7790, 0.3238, 0.3209



9.5645, 0.5575, 0.2845



0.6795, 0.5144, 0.2607

Previews

White Background



This preview shows how the Yxy color 10.8306, 0.1638, 0.1097 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 10.8306, 0.1638, 0.1097 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

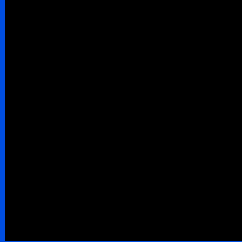
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.8306, 0.1638, 0.1097

Background



This preview shows how black text looks on a background with the Yxy color 10.8306, 0.1638, 0.1097.



This preview shows how white text looks on a background with the Yxy color 10.8306, 0.1638, 0.1097.

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

10.8306, 0.1638, 0.1097

Protanopia

10.7756, 0.1747, 0.1488

Deuteranopia

10.7225, 0.1866, 0.1917



Tritanopia

10.5855, 0.2201, 0.3124

Trichromacy



Original Color

10.8306, 0.1638, 0.1097

Protanomaly

10.7140, 0.1700, 0.1321

Deuteranomaly

10.5637, 0.1759, 0.1534

Tritanomaly

10.0307, 0.1894, 0.2016

Monochromacy



Original Color

10.8306, 0.1638, 0.1097

Achromatopsia

6.3010, 0.3127, 0.3290

Achromatomaly

6.9878, 0.2080, 0.1975

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.8306, 0.1638, 0.1097 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, 78, 224)` looks like.

```
.text, #text, p{  
    color:rgb(0, 78, 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, 78, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 78, 224) }
```

Border

The CSS property to change the border of an element to Yxy 10.8306, 0.1638, 0.1097 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, 78, 224) }
```

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

```
.border{ border-color:rgb(0, 78, 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, 78, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 78, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 78, 224);  
box-shadow:4px 4px 4px 4px rgb(0, 78, 224)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.8306, 0.1638, 0.1097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 78, 224) }
```

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

```
.background{ background-color: rgb(0, 78,  
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](#).

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