

Converting Colors

$Y_{xy}(7.7862, 0.1598, 0.0949)$

Have a look what the booklet for
Yxy(7.7862, 0.1598, 0.0949)
contains.

Yxy(7.7378, 0.1597, 0.0944)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(7.7378, 0.1597, 0.0944)$

Conversions

Conversions Part 1

Format	Color
Hex	013BD1
RGB	1, 59, 209
RGB Percent	0%, 23%, 82%
CMY	0.9946, 0.7688, 0.1803
CMYK	0.99, 0.72, 0.00, 0.18
HSL	223°, 99%, 41%
HSV	223°, 99%, 82%
XYZ	13.0903, 7.7378, 61.1401
YIQ	58.7580, -82.7180, 34.3540

Conversions

Conversions Part 2

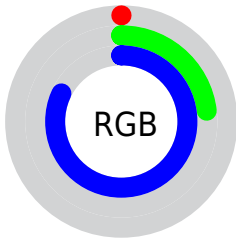
Format	Color
R _Y B	1, 46, 209
Decimal	80849
CIE Lab	33.43, 45.15, -79.78
CIE LCh	33, 91.664, 299.507
Yxy	7.7378, 0.1597, 0.0944
Android (android.graphics.Color)	4278270929 (0xFF013BD1)
YUV	58.7580, 74.0693, -50.6538
Hunter-Lab	27.8169, 35.3205, -110.8445

Details

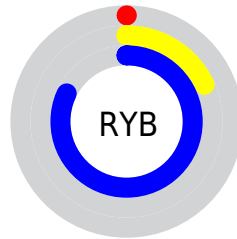
The Yxy color **7.7378, 0.1597, 0.0944** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **35.8318, 0.4785, 0.4579**, and the grayscale version is **4.2584, 0.3127, 0.3290**.

A 20% lighter version of the original color is **20.6784, 0.1977, 0.1409**, and **2.7008, 0.1526, 0.0693** is the 20% darker color. If you saturate the color by 10%, you get **7.6285, 0.1593, 0.0933**, and if you desaturate by 10%, it is **9.6853, 0.1674, 0.1134**.

Distribution



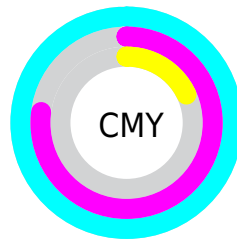
- Red (0%)
- Green (23%)
- Blue (82%)



- Red (0%)
- Yellow (18%)
- Blue (82%)



- Cyan (99%)
- Magenta (72%)
- Yellow (0%)
- Black (18%)





- Cyan (99%)
- Magenta (77%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 7.7378, 0.1597, 0.0944 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 7.7378, 0.1597, 0.0944 by changing the saturation by 10% instead.


 7.7378, 0.1597,
0.0944


 7.7378, 0.1597,
0.0944


 173.6608, 0.2485,
0.2104

 3.9276, 0.1366,
0.0709


 21.4428, 0.1935,
0.1336


 1.6332, 0.1082,
0.0457

 32.1064, 0.2059,
0.1494


 0.3798, 0.0747,
0.0174

 45.8233, 0.2162,
0.1632

 0.0000, 0.0330,
0.0000

 62.9779, 0.2248,
0.1751

 0.0000, 0.0000,
0.0000

 83.9545, 0.2321,
0.1856

 109.1376, 0.2384,

0.1949

138.9116, 0.2438,
0.2031

■ 7.7378, 0.1597,
0.0944

■ 7.7378, 0.1597,
0.0944

■ 7.6285, 0.1593,
0.0933

■ 9.6853, 0.1674,
0.1134

■ 12.2959, 0.1784,
0.1362

■ 15.6542, 0.1926,
0.1620

■ 19.8202, 0.2091,
0.1893

■ 24.8471, 0.2271,
0.2167

■ 30.7830, 0.2456,
0.2434

■ 37.6725, 0.2640,
0.2683

■ 45.5568, 0.2817,
0.2912

■ 54.4746, 0.2983,
0.3118

Harmonies

Analogous

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



7.7378, 0.0805, 0.0857



7.7378, 0.1597, 0.0944



7.7378, 0.3277, 0.1339

Triad

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



7.7378, 0.1597, 0.0944



7.7378, 0.6322, 0.3678



7.7378, 0.0787, 0.4475

Complementary

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



7.7378, 0.1597, 0.0944



35.8318, 0.4785, 0.4579

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.



7.7378, 0.1771, 0.7477



7.7378, 0.1597, 0.0944



7.7378, 0.4901, 0.5099

Square

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



7.7378, 0.1597, 0.0944



7.7378, 0.6892, 0.2793



7.7378, 0.3175, 0.6825



7.7378, 0.0454, 0.1949

Rectangle

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



7.7378, 0.1597, 0.0944



7.7378, 0.4890, 0.1785



7.7378, 0.3175, 0.6825



7.7378, 0.1044, 0.5719

Sweetspot

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



7.7379, 0.1597, 0.0944



57.9229, 0.2622, 0.2659



47.8293, 0.2512, 0.4239



11.3858, 0.2544, 0.2554



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.



7.7379, 0.1597, 0.0944



11.6923, 0.1588, 0.0915



5.2235, 0.1612, 0.0665



11.9439, 0.2982, 0.3117



4.8461, 0.1599, 0.0957



0.4054, 0.1702, 0.1327

Inverse Universe

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



13.9038, 0.5842, 0.2997



21.7115, 0.5888, 0.3017



53.5112, 0.3813, 0.5351



11.8614, 0.3248, 0.3226



8.5605, 0.5824, 0.2982



0.4922, 0.5290, 0.2688

Previews

White Background



This preview shows how the Yxy color 7.7378, 0.1597, 0.0944 looks on a white background.

Color Contrast Check

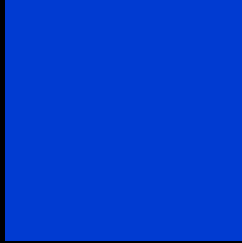
Large Text (above 18pt) WCAG AA ✓ Pass

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 7.7378, 0.1597, 0.0944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

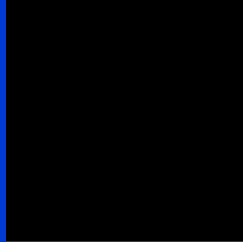
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 7.7378, 0.1597, 0.0944

Background



This preview shows how black text looks on a background with the Yxy color 7.7378, 0.1597, 0.0944.



This preview shows how white text looks on a background with the Yxy color 7.7378, 0.1597, 0.0944.

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

7.7378, 0.1597, 0.0944

Protanopia

7.6721, 0.1757, 0.1524

Deuteranopia

7.6624, 0.1873, 0.1943



Tritanopia

7.5891, 0.2203, 0.3131

Trichromacy



Original Color

7.7378, 0.1597, 0.0944

Protanomaly

7.5546, 0.1682, 0.1255

Deuteranomaly

7.4094, 0.1729, 0.1425

Tritanomaly

7.0570, 0.1849, 0.1857

Monochromacy



Original Color

7.7378, 0.1597, 0.0944

Achromatopsia

4.3735, 0.3127, 0.3290

Achromatomaly

4.7549, 0.2022, 0.1780

CSS Examples

Text

The CSS property to change the color of the text to Yxy 7.7378, 0.1597, 0.0944 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(1, 59, 209)` looks like.

```
.text, #text, p{  
    color:rgb(1, 59, 209)  
}
```

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(1, 59, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 59, 209) }
```

Border

The CSS property to change the border of an element to Yxy 7.7378, 0.1597, 0.0944 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(1, 59, 209) }
```

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

```
.border{ border-color:rgb(1, 59, 209) }
```

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

Here you see how a box with a 4 pixel rgb(1, 59, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 59, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 59, 209);  
box-shadow:4px 4px 4px 4px rgb(1, 59, 209)  
}
```


Background

The CSS property to change the background color of an element to Yxy 7.7378, 0.1597, 0.0944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 59, 209) }
```

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

```
.background{ background-color: rgb(1, 59,  
209) }
```

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