

Converting Colors

$Y_{xy}(7.8871, 0.1648, 0.0681)$

Have a look what the booklet for
Yxy(7.8871, 0.1648, 0.0681)
contains.

Yxy(7.8737, 0.1649, 0.0682)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	29

Color

Yxy(7.8737, 0.1649, 0.0682)

Conversions

Conversions Part 1

Format	Color
Hex	4200F7
RGB	66, 0, 247
RGB Percent	26%, 0%, 97%
CMY	0.7413, 1.0000, 0.0312
CMYK	0.73, 1.00, 0.00, 0.03
HSL	256°, 100%, 48%
HSV	256°, 100%, 97%
XYZ	19.0377, 7.8737, 88.5387
YIQ	47.8920, -39.9510, 90.8090

Conversions

Conversions Part 2

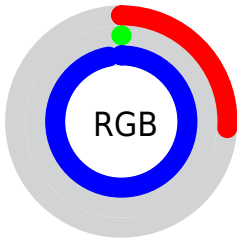
Format	Color
RYB	66, 0, 247
Decimal	4325623
CIELab	33.72, 78.24, -100.95
CIElCh	34, 127.725, 307.777
Yxy	7.8737, 0.1649, 0.0682
Android (android.graphics.Color)	4282515703 (0xFF4200F7)
YUV	47.8920, 98.1602, 15.8807
Hunter-Lab	28.0601, 72.0003, -167.4370

Details

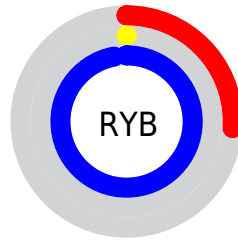
The Yxy color **7.8737, 0.1649, 0.0682** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **76.3721, 0.3720, 0.5428**, and the grayscale version is **2.8390, 0.3127, 0.3290**.

A 20% lighter version of the original color is **17.8683, 0.2169, 0.1225**, and **3.6741, 0.1500, 0.0600** is the 20% darker color. If you saturate the color by 10%, you get **7.8750, 0.1649, 0.0682**, and if you desaturate by 10%, it is **9.2889, 0.1751, 0.0782**.

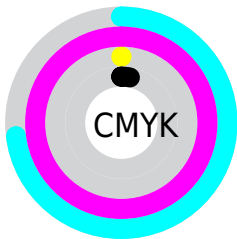
Distribution



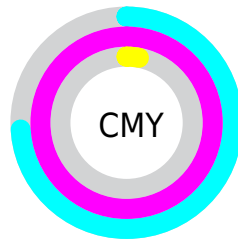
- Red (26%)
- Green (0%)
- Blue (97%)



- Red (26%)
- Yellow (0%)
- Blue (97%)



- Cyan (73%)
- Magenta (100%)
- Yellow (0%)
- Black (3%)




- Cyan (74%)
- Magenta (100%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 7.8737, 0.1649, 0.0682 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 7.8737, 0.1649, 0.0682 by changing the saturation by 10% instead.


 7.8737, 0.1649,
0.0682


 7.8737, 0.1649,
0.0682


174.7380, 0.2501,
0.1824


 4.0142, 0.1439,
0.0489


 21.7105, 0.1965,
0.1033


 1.6815, 0.1186,
0.0298


 32.4566, 0.2084,
0.1185


 0.4117, 0.0890,
0.0111

 46.2670, 0.2183,
0.1322

 0.0000, 0.0561,
0.0000

 63.5262, 0.2267,
0.1444

 0.0000, 0.0141,
0.0000


 84.6184, 0.2339,
0.1555


 0.0000, 0.0000,
0.0000


 109.9283, 0.2401,


0.1654

 139.8400, 0.2454,
0.1743

 7.8737, 0.1649,
0.0682


 7.8737, 0.1649,
0.0682


 7.8750, 0.1649,
0.0682

 9.2889, 0.1751,
0.0782

 11.7842, 0.1884,
0.0948

 15.6440, 0.2044,
0.1182

 21.0434, 0.2219,
0.1469

 28.1305, 0.2399,
0.1788

■ 37.0355, 0.2574,
0.2118

■ 47.8756, 0.2738,
0.2443

■ 60.7579, 0.2885,
0.2751

■ 75.7817, 0.3015,
0.3034

Harmonies

Analogous

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



7.8737, 0.0640, 0.0534



7.8737, 0.1649, 0.0682



7.8737, 0.4076, 0.1148

Triad

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



7.8737, 0.1649, 0.0682



7.8737, 0.6362, 0.3638



7.8737, 0.0198, 0.3393

Complementary

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



7.8737, 0.1649, 0.0682



76.3721, 0.3720, 0.5428

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.



7.8737, 0.0717, 0.8538



7.8737, 0.1649, 0.0682



7.8737, 0.4248, 0.5752

Square

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



7.8737, 0.1649, 0.0682



7.8737, 0.7516, 0.2484



7.8737, 0.1957, 0.8043



7.8737, 0.0161, 0.1141

Rectangle

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



7.8737, 0.1649, 0.0682



7.8737, 0.6278, 0.1626



7.8737, 0.1957, 0.8043



7.8737, 0.0279, 0.5087

Sweetspot

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



7.8750, 0.1649, 0.0682



51.3930, 0.2737, 0.2442



39.8294, 0.1995, 0.2383



9.8921, 0.2670, 0.2306



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.



7.8750, 0.1649, 0.0682



8.4528, 0.1648, 0.0681



17.5865, 0.2614, 0.1214



16.1407, 0.3021, 0.3048



4.2225, 0.1663, 0.0690



0.4194, 0.1788, 0.0759

Inverse Universe

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



23.1186, 0.4042, 0.2000



24.8432, 0.4044, 0.2001



67.4307, 0.3081, 0.5936



16.6883, 0.3179, 0.3118



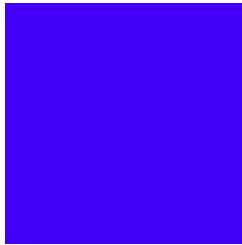
12.2478, 0.4025, 0.1991



1.0935, 0.3899, 0.1922

Previews

White Background



This preview shows how the Yxy color 7.8737, 0.1649, 0.0682 looks on a white background.

Color Contrast Check

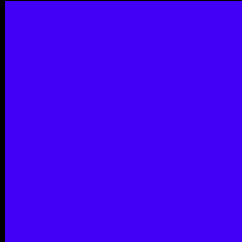
Large Text (above 18pt) WCAG AA ✓ Pass

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 7.8737, 0.1649, 0.0682 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 7.8737, 0.1649, 0.0682

Background



This preview shows how black text looks on a background with the Yxy color 7.8737, 0.1649, 0.0682.



This preview shows how white text looks on a background with the Yxy color 7.8737, 0.1649, 0.0682.

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

7.8737, 0.1649, 0.0682

Protanopia

7.9164, 0.1754, 0.1513

Tritanopia

7.9529, 0.2204, 0.3134

Trichromacy



Original Color
7.8737, 0.1649, 0.0682

Protanomaly
6.2411, 0.1623, 0.0912

Tritanomaly
5.3225, 0.1742, 0.1262

Monochromacy



Original Color
7.8737, 0.1649, 0.0682

Achromatopsia
2.9557, 0.3127, 0.3290

Achromatomaly
3.1483, 0.2044, 0.1179

CSS Examples

Text

The CSS property to change the color of the text to Yxy 7.8737, 0.1649, 0.0682 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(66, 0, 247)` looks like.

```
.text, #text, p{  
    color:rgb(66, 0, 247)  
}
```

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(66, 0, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 0, 247) }
```

Border

The CSS property to change the border of an element to Yxy 7.8737, 0.1649, 0.0682 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(66, 0, 247) }
```

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

```
.border{ border-color:rgb(66, 0, 247) }
```

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

Here you see how a box with a 4 pixel rgb(66, 0, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 0, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 0, 247);  
box-shadow:4px 4px 4px 4px rgb(66, 0, 247)  
}
```

Background

The CSS property to change the background color of an element to Yxy 7.8737, 0.1649, 0.0682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 0, 247) }
```

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

```
.background{ background-color: rgb(66, 0,  
247) }
```

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