

Converting Colors

$Y_{xy}(7.7967, 0.1570, 0.0639)$

Have a look what the booklet for
Yxy(7.7967, 0.1570, 0.0639)
contains.

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Color

Yxy(7.8008, 0.1571, 0.0639)

Conversions

Conversions Part 1

Format	Color
Hex	2E00FF
RGB	46, 0, 255
RGB Percent	18%, 0%, 100%
CMY	0.8192, 1.0000, 0.0000
CMYK	0.82, 1.00, 0.00, 0.00
HSL	251°, 100%, 50%
HSV	251°, 100%, 100%
XYZ	19.1785, 7.8008, 95.0990
YIQ	42.8240, -54.4390, 89.0570

Conversions

Conversions Part 2

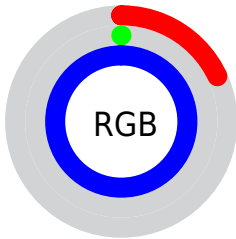
Format	Color
R_{YB}	46, 0, 255
Decimal	3014911
CIE _{Lab}	33.56, 79.63, -105.72
CIE _{LCh}	34, 132.352, 306.986
Yxy	7.8008, 0.1571, 0.0639
Android (android.graphics.Color)	4281204991 (0xFF2E00FF)
YUV	42.8240, 104.6028, 2.7854
Hunter-Lab	27.9299, 73.6924, -182.3264

Details

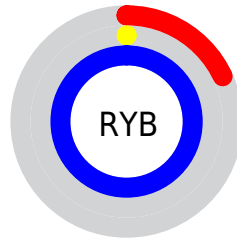
The Yxy color **7.8008, 0.1571, 0.0639** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **85.0589, 0.3871, 0.5308**, and the grayscale version is **2.3032, 0.3127, 0.3290**.

A 20% lighter version of the original color is **16.9716, 0.2100, 0.1184**, and **3.9855, 0.1500, 0.0600** is the 20% darker color. If you saturate the color by 10%, you get **7.8027, 0.1571, 0.0639**, and if you desaturate by 10%, it is **9.1292, 0.1656, 0.0730**.

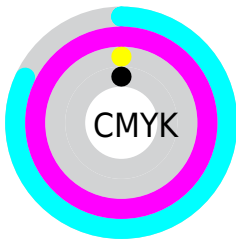
Distribution



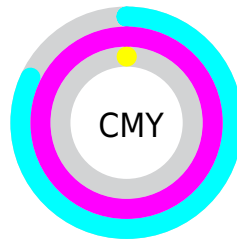
- Red (18%)
- Green (0%)
- Blue (100%)



- Red (18%)
- Yellow (0%)
- Blue (100%)



- Cyan (82%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)





- Cyan (82%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 7.8008, 0.1571, 0.0639 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 7.8008, 0.1571, 0.0639 by changing the saturation by 10% instead.


 7.8008, 0.1571,
0.0639


 7.8008, 0.1571,
0.0639


174.1611, 0.2453,
0.1777


 3.9677, 0.1361,
0.0453


 21.5670, 0.1893,
0.0982


 1.6555, 0.1111,
0.0272


 32.2689, 0.2015,
0.1133


 0.3946, 0.0824,
0.0097


 46.0293, 0.2119,
0.1270

 0.0000, 0.0513,
0.0000

 63.2325, 0.2207,
0.1393

 0.0000, 0.0134,
0.0000


 84.2628, 0.2282,
0.1504


 0.0000, 0.0000,
0.0000


 109.5048, 0.2347,


0.1604

 139.3428, 0.2403,
0.1695


 7.8008, 0.1571,
0.0639


 7.8008, 0.1571,
0.0639


 7.8027, 0.1571,
0.0639

 9.1292, 0.1656,
0.0730

 11.6558, 0.1781,
0.0893

 15.6938, 0.1941,
0.1130

 21.4406, 0.2124,
0.1425

 29.0632, 0.2317,
0.1755

■ 38.7082, 0.2509,
0.2096

■ 50.5077, 0.2690,
0.2431

■ 64.5823, 0.2854,
0.2745

■ 81.0438, 0.3000,
0.3033

Harmonies

Analogous

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



7.8008, 0.0592, 0.0501



7.8008, 0.1571, 0.0639



7.8008, 0.4006, 0.1089

Triad

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



7.8008, 0.1571, 0.0639



7.8008, 0.6456, 0.3544



7.8008, 0.0145, 0.3486

Complementary

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



7.8008, 0.1571, 0.0639



85.0589, 0.3871, 0.5308

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.



7.8008, 0.0635, 0.8878



7.8008, 0.1571, 0.0639



7.8008, 0.4290, 0.5710

Square

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



7.8008, 0.1571, 0.0639



7.8008, 0.7605, 0.2395



7.8008, 0.1900, 0.8100



7.8008, 0.0137, 0.1115

Rectangle

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



7.8008, 0.1571, 0.0639



7.8008, 0.6290, 0.1561



7.8008, 0.1900, 0.8100



7.8008, 0.0208, 0.5311

Sweetspot

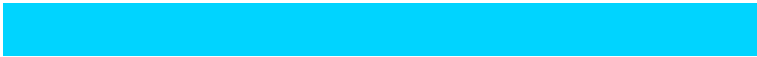
The Sweet Spot groups the original color and five complimentary colors.



7.8027, 0.1571, 0.0639



50.5094, 0.2690, 0.2431



54.5554, 0.2094, 0.2739



9.6883, 0.2615, 0.2291



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.



7.8027, 0.1571, 0.0639



7.8030, 0.1571, 0.0639



15.7655, 0.2368, 0.1078



17.5356, 0.3007, 0.3046



4.1224, 0.1581, 0.0645



0.4421, 0.1675, 0.0696

Inverse Universe

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



25.8580, 0.3738, 0.1833



25.8589, 0.3738, 0.1833



73.4487, 0.3159, 0.5874



18.2407, 0.3166, 0.3097



13.5322, 0.3728, 0.1827



1.3316, 0.3658, 0.1789

Previews

White Background



This preview shows how the Yxy color 7.8008, 0.1571, 0.0639 looks on a white background.

Color Contrast Check

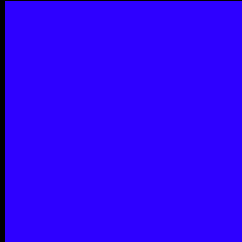
Large Text (above 18pt) WCAG AA ✓ Pass

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 7.8008, 0.1571, 0.0639 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 7.8008, 0.1571, 0.0639

Background



This preview shows how black text looks on a background with the Yxy color 7.8008, 0.1571, 0.0639.



This preview shows how white text looks on a background with the Yxy color 7.8008, 0.1571, 0.0639.

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

7.8008, 0.1571, 0.0639

Protanopia

7.8810, 0.1757, 0.1524

Deuteranopia

7.8407, 0.1876, 0.1953



Tritanopia

7.7698, 0.2204, 0.3133

Trichromacy



Original Color
7.8008, 0.1571, 0.0639

Protanomaly
6.2559, 0.1604, 0.0898

Deuteranomaly
5.8704, 0.1633, 0.0989

Tritanomaly
5.2145, 0.1706, 0.1217

Monochromacy



Original Color
7.8008, 0.1571, 0.0639

Achromatopsia
2.4158, 0.3127, 0.3290

Achromatomaly
2.6754, 0.1888, 0.1048

CSS Examples

Text

The CSS property to change the color of the text to Yxy 7.8008, 0.1571, 0.0639 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(46, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(46, 0, 255)  
}
```

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(46, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 0, 255) }
```

Border

The CSS property to change the border of an element to Yxy 7.8008, 0.1571, 0.0639 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(46, 0, 255) }
```

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

```
.border{ border-color:rgb(46, 0, 255) }
```

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

Here you see how a box with a 4 pixel rgb(46, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(46, 0, 255)  
}
```


Background

The CSS property to change the background color of an element to Yxy 7.8008, 0.1571, 0.0639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 0, 255) }
```

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

```
.background{ background-color: rgb(46, 0,  
255) }
```

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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