

Converting Colors

$Y_{xy}(9.6621, 0.1636, 0.0769)$

Have a look what the booklet for
Yxy(9.6621, 0.1636, 0.0769)
contains.

| | |
|--|----|
| Yxy(9.6371, 0.1637, 0.0767) | 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(9.6371, 0.1637, 0.0767)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 3A28FF |
| RGB | 58, 40, 255 |
| RGB Percent | 23%, 16%, 100% |
| CMY | 0.7720, 0.8437, 0.0000 |
| CMYK | 0.77, 0.84, 0.00, 0.00 |
| HSL | 245°, 100%, 58% |
| HSV | 245°, 84%, 100% |
| XYZ | 20.5684, 9.6371, 95.4412 |
| YIQ | 69.8920, -58.2870, 70.6810 |

Conversions

Conversions Part 2

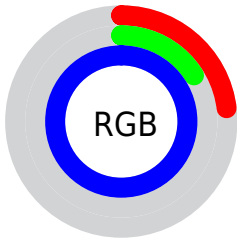
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 58, 40, 255 |
| Decimal | 3811583 |
| CIE Lab | 37.18, 70.95, -99.71 |
| CIE LCh | 37, 122.376, 305.433 |
| Yxy | 9.6371, 0.1637, 0.0767 |
| Android (android.graphics.Color) | 4282001663 (0xFF3A28FF) |
| YUV | 69.8920, 91.2582, -10.4293 |
| Hunter-Lab | 31.0437, 63.9409, -160.5516 |

Details

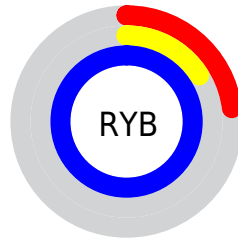
The Yxy color **9.6371, 0.1637, 0.0767** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **89.6277, 0.4029, 0.5088**, and the grayscale version is **5.9541, 0.3127, 0.3290**.

A 20% lighter version of the original color is **20.6287, 0.2168, 0.1375**, and **3.9855, 0.1500, 0.0600** is the 20% darker color. If you saturate the color by 10%, you get **7.8982, 0.1550, 0.0648**, and if you desaturate by 10%, it is **12.8137, 0.1772, 0.0970**.

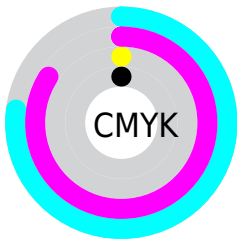
Distribution



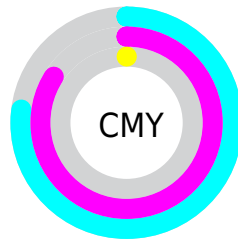
- Red (23%)
- Green (16%)
- Blue (100%)



- Red (23%)
- Yellow (16%)
- Blue (100%)



- Cyan (77%)
- Magenta (84%)
- Yellow (0%)
- Black (0%)





- Cyan (77%)
- Magenta (84%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 9.6371, 0.1637, 0.0767 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 9.6371, 0.1637, 0.0767 by changing the saturation by 10% instead.


 9.6371, 0.1637,
0.0767


 9.6371, 0.1637,
0.0767


188.0620, 0.2472,
0.1876

 5.1590, 0.1436,
0.0573


 25.1107, 0.1942,
0.1112


 2.3409, 0.1194,
0.0375


 36.8749, 0.2058,
0.1260


 0.7952, 0.0910,
0.0191

 51.8367, 0.2156,
0.1392

 0.0000, 0.0597,
0.0000

 70.3804, 0.2239,
0.1511

 0.0000, 0.0236,
0.0000

 92.8903, 0.2310,
0.1617

 0.0000, 0.0000,
0.0000

 119.7510, 0.2371,

0.1712

151.3468, 0.2425,
0.1798

■ 9.6371, 0.1637,
0.0767

■ 9.6371, 0.1637,
0.0767

■ 7.8982, 0.1550,
0.0648

■ 12.8137, 0.1772,
0.0970

■ 7.3869, 0.1521,
0.0611

■ 17.6717, 0.1945,
0.1246

■ 24.3965, 0.2143,
0.1572

■ 33.1521, 0.2350,
0.1921

■ 44.0848, 0.2553,
0.2271

■ 57.3271, 0.2743,
0.2603

■ 73.0012, 0.2915,
0.2908

■ 91.2204, 0.3067,
0.3181

■ 100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



9.6371, 0.0695, 0.0631



9.6371, 0.1637, 0.0767



9.6371, 0.3796, 0.1218

Triad

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



9.6371, 0.1637, 0.0767



9.6371, 0.6343, 0.3657



9.6371, 0.0368, 0.3768

Complementary

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



9.6371, 0.1637, 0.0767



89.6277, 0.4029, 0.5088

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.



9.6371, 0.1056, 0.8160



9.6371, 0.1637, 0.0767



9.6371, 0.4486, 0.5514

Square

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



9.6371, 0.1637, 0.0767



9.6371, 0.7374, 0.2626



9.6371, 0.2383, 0.7617



9.6371, 0.0237, 0.1380

Rectangle

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



9.6371, 0.1637, 0.0767



9.6371, 0.5801, 0.1697



9.6371, 0.2383, 0.7617



9.6371, 0.0519, 0.5334

Sweetspot

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



9.6328, 0.1637, 0.0767



56.4164, 0.2732, 0.2583



68.2787, 0.2210, 0.3066



11.0330, 0.2666, 0.2468



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.



9.6328, 0.1637, 0.0767



7.3869, 0.1521, 0.0611



16.7668, 0.2337, 0.1139



17.4515, 0.2992, 0.3045



3.8850, 0.1527, 0.0615



0.4023, 0.1584, 0.0646

Inverse Universe

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



28.8664, 0.3396, 0.1713



27.1618, 0.3440, 0.1669



76.3791, 0.3329, 0.5616



18.2722, 0.3151, 0.3075



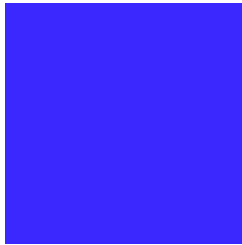
14.2037, 0.3436, 0.1666



1.3905, 0.3407, 0.1650

Previews

White Background



This preview shows how the Yxy color 9.6371, 0.1637, 0.0767 looks on a white background.

Color Contrast Check

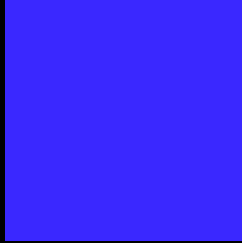
Large Text (above 18pt) WCAG AA ✓ Pass

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 9.6371, 0.1637, 0.0767 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 9.6371, 0.1637, 0.0767

Background



This preview shows how black text looks on a background with the Yxy color 9.6371, 0.1637, 0.0767.



This preview shows how white text looks on a background with the Yxy color 9.6371, 0.1637, 0.0767.

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

9.6371, 0.1637, 0.0767

Protanopia

9.2817, 0.1750, 0.1500

Deuteranopia

9.3147, 0.1872, 0.1938



Tritanopia

9.3053, 0.2207, 0.3144

Trichromacy



Original Color

9.6371, 0.1637, 0.0767

Protanomaly

8.5334, 0.1656, 0.1069

Deuteranomaly

8.2967, 0.1699, 0.1211

Tritanomaly

7.7626, 0.1808, 0.1563

Monochromacy



Original Color

9.6371, 0.1637, 0.0767

Achromatopsia

6.1246, 0.3127, 0.3290

Achromatomaly

6.0923, 0.2145, 0.1569

CSS Examples

Text

The CSS property to change the color of the text to Yxy 9.6371, 0.1637, 0.0767 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(58, 40, 255)` looks like.

```
.text, #text, p{  
  color:rgb(58, 40, 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(58, 40, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 40, 255) }
```

Border

The CSS property to change the border of an element to Yxy 9.6371, 0.1637, 0.0767 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(58, 40, 255) }
```

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

```
.border{ border-color:rgb(58, 40, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 40, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(58, 40, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(58, 40, 255); box-shadow:4px 4px 4px 4px rgb(58, 40, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 9.6371, 0.1637, 0.0767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 40, 255) }
```

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

```
.background{ background-color: rgb(58, 40,  
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](#).

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