

Converting Colors

$Y_{xy}(20.5459, 0.1841, 0.0948)$

Have a look what the booklet for
Yxy(20.5459, 0.1841, 0.0948)
contains.

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Color

Yxy(15.9374, 0.2025, 0.1134)

Conversions

Conversions Part 1

Format	Color
Hex	7B47FF
RGB	123, 71, 255
RGB Percent	48%, 28%, 100%
CMY	0.5178, 0.7214, 0.0002
CMYK	0.52, 0.72, 0.00, 0.00
HSL	257°, 100%, 64%
HSV	257°, 72%, 100%
XYZ	28.4596, 15.9374, 96.1444
YIQ	107.5240, -28.0720, 68.2480

Conversions

Conversions Part 2

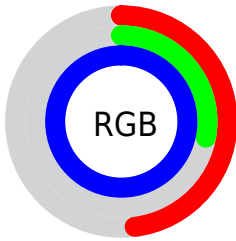
Format	Color
R _Y B	123, 71, 255
Decimal	8079359
CIE Lab	46.89, 63.42, -83.44
CIE LCh	47, 104.804, 307.236
Yxy	15.9374, 0.2025, 0.1134
Android (android.graphics.Color)	4286269439 (0xFF7B47FF)
YUV	107.5240, 72.7057, 13.5725
Hunter-Lab	39.9217, 57.3874, -114.8445

Details

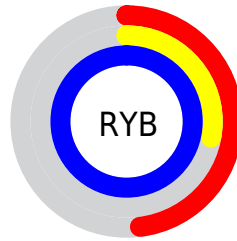
The Yxy color **15.9374, 0.2025, 0.1134** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **84.6507, 0.3723, 0.5123**, and the grayscale version is **14.6598, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.9496, 0.2578, 0.1819**, and **5.0759, 0.1671, 0.0726** is the 20% darker color. If you saturate the color by 10%, you get **12.1189, 0.1871, 0.0915**, and if you desaturate by 10%, it is **21.3683, 0.2197, 0.1409**.

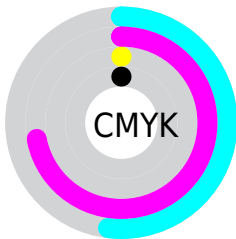
Distribution



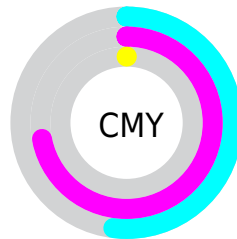
- Red (48%)
- Green (28%)
- Blue (100%)



- Red (48%)
- Yellow (28%)
- Blue (100%)



- Cyan (52%)
- Magenta (72%)
- Yellow (0%)
- Black (0%)



- Cyan (52%)
- Magenta (72%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9374, 0.2025, 0.1134 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 15.9374, 0.2025, 0.1134 by changing the saturation by 10% instead.


 15.9374, 0.2025,
0.1134


 15.9374, 0.2025,
0.1134


228.9720, 0.2643,
0.2111


 9.4799, 0.1867,
0.0941


 36.4895, 0.2256,
0.1454


 5.0555, 0.1668,
0.0725


 51.3528, 0.2342,
0.1585


 2.2799, 0.1418,
0.0492


 69.7869, 0.2414,
0.1701

 0.7630, 0.1106,
0.0261

 92.1761, 0.2474,
0.1803

 0.0000, 0.0739,
0.0000

 118.9048, 0.2526,
0.1893

 0.0000, 0.0176,
0.0000

150.3575, 0.2571,

 0.0000, 0.0000,

0.1974

0.0000

186.9184, 0.2609,
0.2046

■ 15.9374, 0.2025,
0.1134

■ 15.9374, 0.2025,
0.1134

■ 12.1189, 0.1871,
0.0915

■ 21.3683, 0.2197,
0.1409

■ 9.7146, 0.1743,
0.0764

■ 28.5748, 0.2374,
0.1721

■ 8.5927, 0.1664,
0.0691

■ 37.7007, 0.2549,
0.2049

■ 48.8745, 0.2712,
0.2376

■ 62.2133, 0.2860,
0.2687

■ 77.8254, 0.2991,
0.2976

■ 95.8115, 0.3105,
0.3238

■ 99.9970, 0.3127,
0.3290

Harmonies

Analogous

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



15.9374, 0.1066, 0.0973



15.9374, 0.2025, 0.1134



15.9374, 0.3829, 0.1614

Triad

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



15.9374, 0.2025, 0.1134



15.9374, 0.5908, 0.4092



15.9374, 0.0807, 0.3624

Complementary

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



15.9374, 0.2025, 0.1134



84.6507, 0.3723, 0.5123

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.



15.9374, 0.1666, 0.6577



15.9374, 0.2025, 0.1134



15.9374, 0.4500, 0.5500

Square

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



15.9374, 0.2025, 0.1134



15.9374, 0.6636, 0.3121



15.9374, 0.2994, 0.7006



15.9374, 0.0558, 0.1770

Rectangle

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



15.9374, 0.2025, 0.1134



15.9374, 0.5296, 0.2092



15.9374, 0.2994, 0.7006



15.9374, 0.1016, 0.4622

Sweetspot

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



15.9378, 0.2025, 0.1134



62.4272, 0.2862, 0.2691



52.6599, 0.2158, 0.2662



12.5386, 0.2824, 0.2609



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.



15.9378, 0.2025, 0.1134



10.7896, 0.1805, 0.0832



25.7341, 0.2788, 0.1512



17.6259, 0.3023, 0.3047



4.5560, 0.1679, 0.0698



0.4958, 0.1793, 0.0762

Inverse Universe

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



30.0793, 0.3773, 0.2091



26.1794, 0.3951, 0.2014



75.5211, 0.3185, 0.5489



18.2078, 0.3181, 0.3121



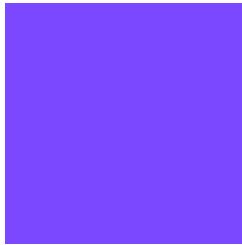
12.9230, 0.4082, 0.2022



1.2770, 0.3959, 0.1954

Previews

White Background



This preview shows how the Yxy color 15.9374, 0.2025, 0.1134 looks on a white background.

Color Contrast Check

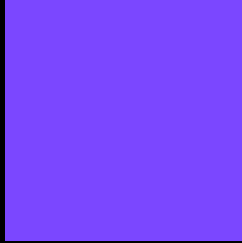
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.9374, 0.2025, 0.1134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

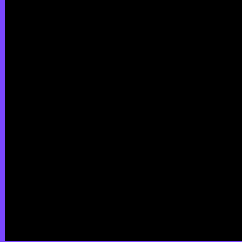
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 15.9374, 0.2025, 0.1134

Background



This preview shows how black text looks on a background with the Yxy color 15.9374, 0.2025, 0.1134.



This preview shows how white text looks on a background with the Yxy color 15.9374, 0.2025, 0.1134.

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

15.9374, 0.2025, 0.1134

Protanopia

15.9516, 0.1743, 0.1475

Deuteranopia

15.9297, 0.1854, 0.1875



Tritanopia

15.8105, 0.2646, 0.3096

Trichromacy



Original Color

15.9374, 0.2025, 0.1134

Protanomaly

14.6194, 0.1744, 0.1261

Deuteranomaly

14.2511, 0.1805, 0.1441

Tritanomaly

14.6896, 0.2344, 0.2021

Monochromacy



Original Color

15.9374, 0.2025, 0.1134

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

14.2683, 0.2581, 0.2124

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9374, 0.2025, 0.1134 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(123, 71, 255)` looks like.

```
.text, #text, p{  
    color:rgb(123, 71, 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(123, 71, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 71, 255) }
```

Border

The CSS property to change the border of an element to Yxy 15.9374, 0.2025, 0.1134 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(123, 71, 255) }
```

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

```
.border{ border-color:rgb(123, 71, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 71, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 71, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 71, 255);  
box-shadow:4px 4px 4px 4px rgb(123, 71,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9374, 0.2025, 0.1134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 71, 255) }
```

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

```
.background{ background-color: rgb(123, 71,  
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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