

Converting Colors

$Y_{xy}(20.4912, 0.1833, 0.0946)$

Have a look what the booklet for
Yxy(20.4912, 0.1833, 0.0946)
contains.

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Color

Yxy(15.9197, 0.2013, 0.1134)

Conversions

Conversions Part 1

Format	Color
Hex	7948FF
RGB	121, 72, 255
RGB Percent	47%, 28%, 100%
CMY	0.5253, 0.7178, 0.0000
CMYK	0.53, 0.72, 0.00, 0.00
HSL	256°, 100%, 64%
HSV	256°, 72%, 100%
XYZ	28.2596, 15.9197, 96.2061
YIQ	107.5130, -29.5390, 67.3010

Conversions

Conversions Part 2

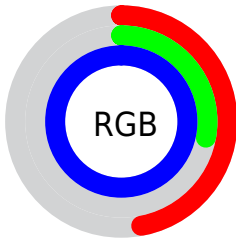
Format	Color
R _Y B	121, 72, 255
Decimal	7948543
CIE Lab	46.87, 62.73, -83.52
CIE LCh	47, 104.455, 306.909
Yxy	15.9197, 0.2013, 0.1134
Android (android.graphics.Color)	4286138623 (0xFF7948FF)
YUV	107.5130, 72.7111, 11.8281
Hunter-Lab	39.8995, 56.6019, -115.0310

Details

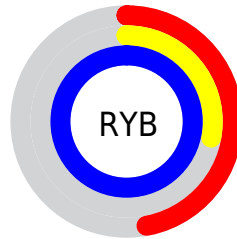
The Yxy color **15.9197, 0.2013, 0.1134** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **85.0968, 0.3740, 0.5104**, and the grayscale version is **14.6518, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.9545, 0.2562, 0.1823**, and **5.0548, 0.1652, 0.0724** is the 20% darker color. If you saturate the color by 10%, you get **12.0582, 0.1858, 0.0912**, and if you desaturate by 10%, it is **21.4062, 0.2187, 0.1413**.

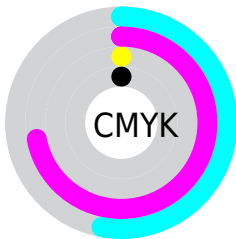
Distribution



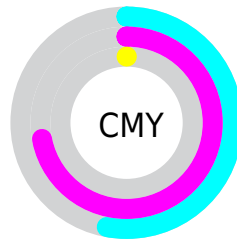
- Red (47%)
- Green (28%)
- Blue (100%)



- Red (47%)
- Yellow (28%)
- Blue (100%)



- Cyan (53%)
- Magenta (72%)
- Yellow (0%)
- Black (0%)





- Cyan (53%)
- Magenta (72%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9197, 0.2013, 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 15.9197, 0.2013, 0.1134 by changing the saturation by 10% instead.


 15.9197, 0.2013,
0.1134


 15.9197, 0.2013,
0.1134


228.8674, 0.2637,
0.2112

 9.4673, 0.1854,
0.0940


 36.4587, 0.2246,
0.1454


 5.0473, 0.1655,
0.0724


 51.3142, 0.2332,
0.1586

 2.2750, 0.1404,
0.0492


 69.7395, 0.2405,
0.1701

 0.7604, 0.1091,
0.0260

 92.1191, 0.2466,
0.1803

 0.0000, 0.0724,
0.0000

 118.8372, 0.2518,
0.1894

 0.0000, 0.0156,
0.0000

150.2784, 0.2563,

 0.0000, 0.0000,

0.1974

0.0000

186.8270, 0.2602,
0.2047

■ 15.9197, 0.2013,
0.1134

■ 15.9197, 0.2013,
0.1134

■ 12.0582, 0.1858,
0.0912

■ 21.4062, 0.2187,
0.1413

■ 9.6274, 0.1730,
0.0759


■ 28.6844, 0.2367,
0.1727


■ 8.4629, 0.1649,
0.0682

■ 37.8974, 0.2544,
0.2057

■ 49.1738, 0.2709,
0.2385

■ 62.6314, 0.2860,
0.2697

 78.3786, 0.2993,
0.2985

 96.5166, 0.3108,
0.3247

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.



15.9197, 0.1063, 0.0976



15.9197, 0.2013, 0.1134



15.9197, 0.3804, 0.1610

Triad

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



15.9197, 0.2013, 0.1134



15.9197, 0.5918, 0.4082



15.9197, 0.0817, 0.3654

Complementary

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



15.9197, 0.2013, 0.1134



85.0968, 0.3740, 0.5104

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.



15.9197, 0.1684, 0.6589



15.9197, 0.2013, 0.1134



15.9197, 0.4518, 0.5482

Square

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



15.9197, 0.2013, 0.1134



15.9197, 0.6631, 0.3116



15.9197, 0.3014, 0.6986



15.9197, 0.0562, 0.1786

Rectangle

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



15.9197, 0.2013, 0.1134



15.9197, 0.5268, 0.2087



15.9197, 0.3014, 0.6986



15.9197, 0.1029, 0.4653

Sweetspot

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



15.9189, 0.2013, 0.1134



62.3087, 0.2857, 0.2690



52.8309, 0.2161, 0.2665



12.5110, 0.2817, 0.2607



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.



15.9189, 0.2013, 0.1134



10.8705, 0.1800, 0.0838



25.8907, 0.2790, 0.1518



17.6133, 0.3021, 0.3047



4.4840, 0.1663, 0.0690



0.4874, 0.1775, 0.0752

Inverse Universe

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



30.3422, 0.3737, 0.2073



26.4977, 0.3896, 0.1991



75.6102, 0.3186, 0.5480



18.2123, 0.3179, 0.3118



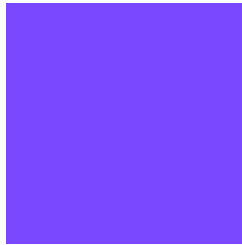
13.0011, 0.4031, 0.1994



1.2841, 0.3915, 0.1930

Previews

White Background



This preview shows how the Yxy color 15.9197, 0.2013, 0.1134 looks on a white background.

Color Contrast Check

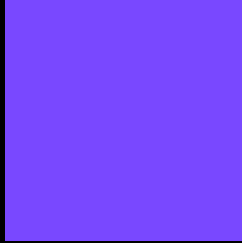
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.9197, 0.2013, 0.1134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

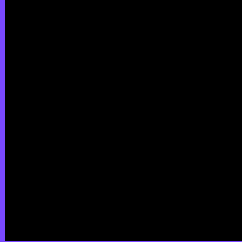
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.9197, 0.2013, 0.1134

Background



This preview shows how black text looks on a background with the Yxy color 15.9197, 0.2013, 0.1134.



This preview shows how white text looks on a background with the Yxy color 15.9197, 0.2013, 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

15.9197, 0.2013, 0.1134

Protanopia

15.9516, 0.1743, 0.1475

Deuteranopia

15.9297, 0.1854, 0.1875



Tritanopia

15.7026, 0.2607, 0.3074

Trichromacy



Original Color

15.9197, 0.2013, 0.1134

Protanomaly

14.5970, 0.1741, 0.1260

Deuteranomaly

14.4170, 0.1805, 0.1455

Tritanomaly

14.5644, 0.2309, 0.1999

Monochromacy



Original Color

15.9197, 0.2013, 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 15.9197, 0.2013, 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(121, 72, 255)` looks like.

```
.text, #text, p{  
  color:rgb(121, 72, 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(121, 72, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 72, 255) }
```

Border

The CSS property to change the border of an element to Yxy 15.9197, 0.2013, 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(121, 72, 255) }
```

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

```
.border{ border-color:rgb(121, 72, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 72, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 72, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 72, 255);  
box-shadow:4px 4px 4px 4px rgb(121, 72,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9197, 0.2013, 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(121, 72, 255) }
```

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

```
.background{ background-color: rgb(121, 72,  
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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