

Converting Colors

$Y_{xy}(13.7366, 0.1979, 0.1006)$

Have a look what the booklet for
Yxy(13.7366, 0.1979, 0.1006)
contains.

Yxy(13.7593, 0.1981, 0.1007)	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(13.7593, 0.1981, 0.1007)

Conversions

Conversions Part 1

Format	Color
Hex	7835FF
RGB	120, 53, 255
RGB Percent	47%, 21%, 100%
CMY	0.5293, 0.7922, 0.0001
CMYK	0.53, 0.79, 0.00, 0.00
HSL	260°, 100%, 60%
HSV	260°, 79%, 100%
XYZ	27.0677, 13.7593, 95.8095
YIQ	96.0610, -24.9100, 77.0260

Conversions

Conversions Part 2

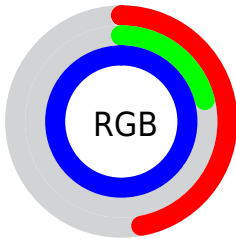
Format	Color
R _Y B	120, 53, 255
Decimal	7878143
CIE Lab	43.89, 70.83, -88.40
CIE LCh	44, 113.277, 308.703
Yxy	13.7593, 0.1981, 0.1007
Android (android.graphics.Color)	4286068223 (0xFF7835FF)
YUV	96.0610, 78.3569, 20.9945
Hunter-Lab	37.0935, 65.3404, -127.1757

Details

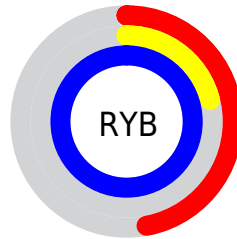
The Yxy color **13.7593, 0.1981, 0.1007** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **82.4391, 0.3665, 0.5291**, and the grayscale version is **11.5259, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.0124, 0.2545, 0.1660**, and **4.5891, 0.1620, 0.0666** is the 20% darker color. If you saturate the color by 10%, you get **10.9087, 0.1844, 0.0837**, and if you desaturate by 10%, it is **18.0616, 0.2138, 0.1240**.

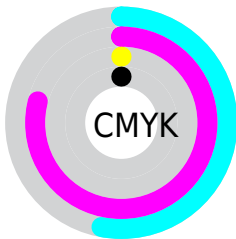
Distribution



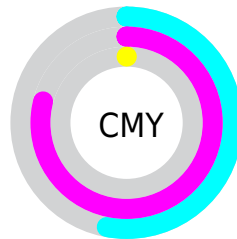
- Red (47%)
- Green (21%)
- Blue (100%)



- Red (47%)
- Yellow (21%)
- Blue (100%)



- Cyan (53%)
- Magenta (79%)
- Yellow (0%)
- Black (0%)





- Cyan (53%)
- Magenta (79%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7593, 0.1981, 0.1007 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 13.7593, 0.1981, 0.1007 by changing the saturation by 10% instead.


 13.7593, 0.1981,
0.1007


 13.7593, 0.1981,
0.1007


215.7282, 0.2634,
0.2028

 7.9534, 0.1814,
0.0812


 32.6613, 0.2226,
0.1336


 4.0652, 0.1605,
0.0600


 46.5263, 0.2316,
0.1473

 1.7101, 0.1343,
0.0380


 63.8464, 0.2392,
0.1594


 0.4302, 0.1024,
0.0151

 85.0061, 0.2456,
0.1701

 0.0000, 0.0650,
0.0000

 110.3897, 0.2511,
0.1797

 0.0000, 0.0036,
0.0000

 140.3817, 0.2557,

 0.0000, 0.0000,

0.1882

0.0000

175.3664, 0.2598,
0.1959

■ 13.7593, 0.1981,
0.1007

■ 13.7593, 0.1981,
0.1007

■ 10.9087, 0.1844,
0.0837

■ 18.0616, 0.2138,
0.1240

■ 9.2384, 0.1733,
0.0731

■ 23.9971, 0.2305,
0.1522

■ 9.1319, 0.1726,
0.0724

■ 31.7209, 0.2474,
0.1834

■ 41.3689, 0.2635,
0.2157

■ 53.0639, 0.2784,
0.2475

■ 66.9178, 0.2917,
0.2776

■ 83.0348, 0.3034,
0.3056

99.9979, 0.3127,
0.3290

Harmonies

Analogous

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



13.7593, 0.0959, 0.0832



13.7593, 0.1981, 0.1007



13.7593, 0.4005, 0.1507

Triad

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



13.7593, 0.1981, 0.1007



13.7593, 0.5970, 0.4030



13.7593, 0.0595, 0.3450

Complementary

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



13.7593, 0.1981, 0.1007



82.4391, 0.3665, 0.5291

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.



13.7593, 0.1370, 0.6977



13.7593, 0.1981, 0.1007



13.7593, 0.4361, 0.5639

Square

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



13.7593, 0.1981, 0.1007



13.7593, 0.6918, 0.3008



13.7593, 0.2664, 0.7336



13.7593, 0.0416, 0.1541

Rectangle

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



13.7593, 0.1981, 0.1007



13.7593, 0.5658, 0.1999



13.7593, 0.2664, 0.7336



13.7593, 0.0772, 0.4592

Sweetspot

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



13.7596, 0.1981, 0.1007



60.0278, 0.2855, 0.2634



45.2411, 0.2065, 0.2450



11.8182, 0.2807, 0.2526



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.



13.7596, 0.1981, 0.1007



9.8369, 0.1777, 0.0769



24.6602, 0.2842, 0.1453



17.6706, 0.3031, 0.3048



4.8452, 0.1741, 0.0733



0.5285, 0.1862, 0.0800

Inverse Universe

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



27.4278, 0.3994, 0.2124



24.6207, 0.4223, 0.2119



73.9316, 0.3123, 0.5685



18.1918, 0.3189, 0.3132



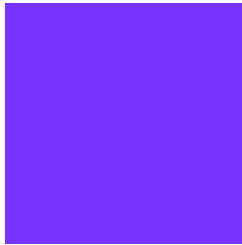
12.6613, 0.4271, 0.2127



1.2531, 0.4119, 0.2043

Previews

White Background



This preview shows how the Yxy color 13.7593, 0.1981, 0.1007 looks on a white background.

Color Contrast Check

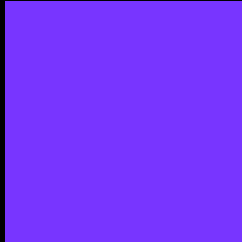
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.7593, 0.1981, 0.1007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

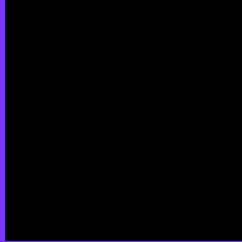
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 13.7593, 0.1981, 0.1007

Background



This preview shows how black text looks on a background with the Yxy color 13.7593, 0.1981, 0.1007.



This preview shows how white text looks on a background with the Yxy color 13.7593, 0.1981, 0.1007.

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

13.7593, 0.1981, 0.1007

Protanopia

13.7675, 0.1746, 0.1485

Deuteranopia

13.6034, 0.1858, 0.1887



Tritanopia

13.5460, 0.2630, 0.3083

Trichromacy



Original Color

13.7593, 0.1981, 0.1007



Protanomaly

12.2130, 0.1727, 0.1181



Deuteranomaly

11.8569, 0.1784, 0.1346



Tritanomaly

12.0448, 0.2288, 0.1852

Monochromacy



Original Color

13.7593, 0.1981, 0.1007



Achromatopsia

11.6971, 0.3127, 0.3290



Achromatomaly

11.0737, 0.2525, 0.1924

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7593, 0.1981, 0.1007 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(120, 53, 255)` looks like.

```
.text, #text, p{  
    color:rgb(120, 53, 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(120, 53, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 53, 255) }
```

Border

The CSS property to change the border of an element to Yxy 13.7593, 0.1981, 0.1007 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(120, 53, 255) }
```

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

```
.border{ border-color:rgb(120, 53, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 53, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 53, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 53, 255);  
box-shadow:4px 4px 4px 4px rgb(120, 53,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7593, 0.1981, 0.1007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 53, 255) }
```

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

```
.background{ background-color: rgb(120, 53,  
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