

Converting Colors

$Y_{xy}(13.9816, 0.1987, 0.1103)$

Have a look what the booklet for
Yxy(13.9816, 0.1987, 0.1103)
contains.

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Color

Yxy(13.9997, 0.1987, 0.1102)

Conversions

Conversions Part 1

Format	Color
Hex	7142F5
RGB	113, 66, 245
RGB Percent	44%, 26%, 96%
CMY	0.5570, 0.7412, 0.0390
CMYK	0.54, 0.73, 0.00, 0.04
HSL	256°, 90%, 61%
HSV	256°, 73%, 96%
XYZ	25.2427, 13.9997, 87.7967
YIQ	100.4590, -29.4470, 65.6330

Conversions

Conversions Part 2

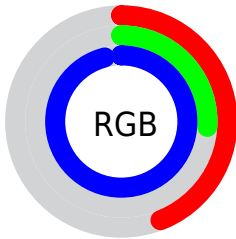
Format	Color
R _Y B	113, 66, 245
Decimal	7422709
CIE Lab	44.23, 61.77, -82.30
CIE LCh	44, 102.905, 306.889
Yxy	13.9997, 0.1987, 0.1102
Android (android.graphics.Color)	4285612789 (0xFF7142F5)
YUV	100.4590, 71.2587, 10.9985
Hunter-Lab	37.4162, 54.9459, -112.9321

Details

The Yxy color **13.9997, 0.1987, 0.1102** 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 **77.7421, 0.3751, 0.5120**, and the grayscale version is **12.6856, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.2908, 0.2490, 0.1728**, and **4.1519, 0.1606, 0.0677** is the 20% darker color. If you saturate the color by 10%, you get **10.6429, 0.1834, 0.0887**, and if you desaturate by 10%, it is **18.8212, 0.2159, 0.1375**.

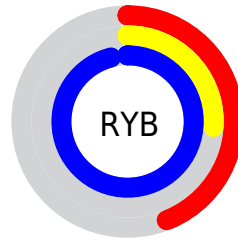
Distribution



Red (44%)

Green (26%)

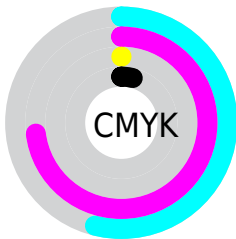
Blue (96%)



Red (44%)

Yellow (26%)

Blue (96%)

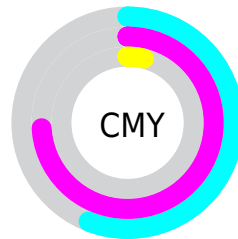


Cyan (54%)

Magenta (73%)

Yellow (0%)

Black (4%)



Cyan (56%)


Magenta (74%)

Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.9997, 0.1987, 0.1102 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 13.9997, 0.1987, 0.1102 by changing the saturation by 10% instead.


 13.9997, 0.1987,
0.1102

 13.9997, 0.1987,
0.1102


217.2290, 0.2635,
0.2109


 8.1205, 0.1819,
0.0901


 33.0885, 0.2231,
0.1434


 4.1721, 0.1607,
0.0678


 47.0668, 0.2321,
0.1570

 1.7703, 0.1340,
0.0440

 64.5137, 0.2396,
0.1689

 0.4686, 0.1010,
0.0188

 85.8134, 0.2460,
0.1793

 0.0000, 0.0623,
0.0000

 111.3504, 0.2513,
0.1886

 0.0000, 0.0000,
0.0000

141.5090, 0.2560,

0.1969

176.6738, 0.2600,
0.2043

■ 13.9997, 0.1987,
0.1102

■ 13.9997, 0.1987,
0.1102

■ 10.6429, 0.1834,
0.0887

■ 18.8212, 0.2159,
0.1375

■ 8.5664, 0.1711,
0.0743

■ 25.2586, 0.2340,
0.1687

■ 7.6956, 0.1644,
0.0680

■ 33.4449, 0.2518,
0.2016

■ 43.4988, 0.2686,
0.2345

■ 55.5284, 0.2840,
0.2659

69.6333, 0.2976,
0.2950

85.9064, 0.3094,
0.3215

99.3756, 0.3185,
0.3385

Harmonies

Analogous

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



13.9997, 0.1031, 0.0944



13.9997, 0.1987, 0.1102



13.9997, 0.3814, 0.1579

Triad

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



13.9997, 0.1987, 0.1102



13.9997, 0.5946, 0.4054



13.9997, 0.0775, 0.3654

Complementary

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



13.9997, 0.1987, 0.1102



77.7421, 0.3751, 0.5120

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.



13.9997, 0.1634, 0.6701



13.9997, 0.1987, 0.1102



13.9997, 0.4509, 0.5491

Square

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



13.9997, 0.1987, 0.1102



13.9997, 0.6694, 0.3083



13.9997, 0.2961, 0.7039



13.9997, 0.0529, 0.1748

Rectangle

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



13.9997, 0.1987, 0.1102



13.9997, 0.5319, 0.2058



13.9997, 0.2961, 0.7039



13.9997, 0.0983, 0.4690

Sweetspot

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



14.0000, 0.1987, 0.1102



62.2600, 0.2854, 0.2690



49.1939, 0.2162, 0.2696



12.4996, 0.2815, 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.



14.0000, 0.1987, 0.1102



10.3270, 0.1767, 0.0804



22.8095, 0.2754, 0.1484



16.1369, 0.3020, 0.3048



4.2007, 0.1658, 0.0687



0.4170, 0.1782, 0.0755

Inverse Universe

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



27.3969, 0.3736, 0.2055



26.2101, 0.3901, 0.1978



69.0913, 0.3198, 0.5499



16.6897, 0.3178, 0.3117



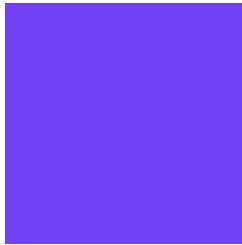
12.2728, 0.4008, 0.1981



1.0955, 0.3885, 0.1914

Previews

White Background



This preview shows how the Yxy color 13.9997, 0.1987, 0.1102 looks on a white background.

Color Contrast Check

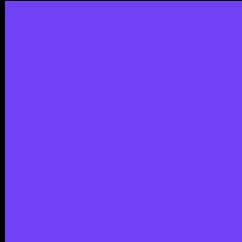
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.9997, 0.1987, 0.1102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

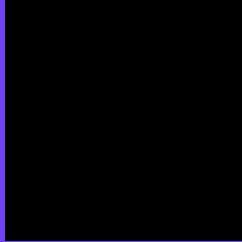
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.9997, 0.1987, 0.1102

Background



This preview shows how black text looks on a background with the Yxy color 13.9997, 0.1987, 0.1102.



This preview shows how white text looks on a background with the Yxy color 13.9997, 0.1987, 0.1102.

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

13.9997, 0.1987, 0.1102

Protanopia

13.8678, 0.1741, 0.1469

Deuteranopia

13.8928, 0.1856, 0.1882



Tritanopia

13.8234, 0.2565, 0.3083

Trichromacy



Original Color

13.9997, 0.1987, 0.1102



Protanomaly

12.8327, 0.1738, 0.1249



Deuteranomaly

12.5335, 0.1798, 0.1430



Tritanomaly

12.7005, 0.2265, 0.1966

Monochromacy



Original Color

13.9997, 0.1987, 0.1102



Achromatopsia

12.7438, 0.3127, 0.3290



Achromatomaly

12.2826, 0.2551, 0.2080

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.9997, 0.1987, 0.1102 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(113, 66, 245)` looks like.

```
.text, #text, p{  
    color:rgb(113, 66, 245)  
}
```

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(113, 66, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 66, 245) }
```

Border

The CSS property to change the border of an element to Yxy 13.9997, 0.1987, 0.1102 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(113, 66, 245) }
```

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

```
.border{ border-color:rgb(113, 66, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 66, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 66, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 66, 245);  
box-shadow:4px 4px 4px 4px rgb(113, 66,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 13.9997, 0.1987, 0.1102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 66, 245) }
```

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

```
.background{ background-color: rgb(113, 66,  
245) }
```

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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