

Converting Colors

$Yxy(14.6584, 0.1996, 0.1069)$

Have a look what the booklet for
Yxy(14.6584, 0.1996, 0.1069)
contains.

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Color

Yxy(14.7038, 0.1997, 0.1071)

Conversions

Conversions Part 1

Format	Color
Hex	783FFE
RGB	120, 63, 254
RGB Percent	47%, 25%, 100%
CMY	0.5293, 0.7530, 0.0039
CMYK	0.53, 0.75, 0.00, 0.00
HSL	258°, 99%, 62%
HSV	258°, 75%, 100%
XYZ	27.4169, 14.7038, 95.1697
YIQ	101.8170, -27.3390, 71.4850

Conversions

Conversions Part 2

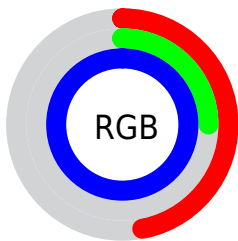
Format	Color
R _Y B	120, 63, 254
Decimal	7880702
CIE Lab	45.23, 66.46, -85.66
CIE LCh	45, 108.422, 307.807
Yxy	14.7038, 0.1997, 0.1071
Android (android.graphics.Color)	4286070782 (0xFF783FFE)
YUV	101.8170, 75.0262, 15.9465
Hunter-Lab	38.3455, 60.5220, -120.3098

Details

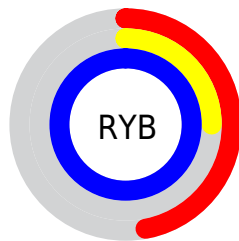
The Yxy color **14.7038, 0.1997, 0.1071** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **83.1149, 0.3708, 0.5192**, and the grayscale version is **13.0425, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0099, 0.2554, 0.1744**, and **4.5899, 0.1632, 0.0673** is the 20% darker color. If you saturate the color by 10%, you get **11.3532, 0.1850, 0.0872**, and if you desaturate by 10%, it is **19.5881, 0.2163, 0.1330**.

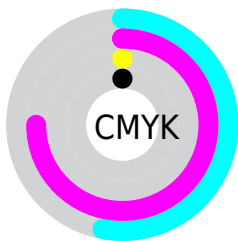
Distribution



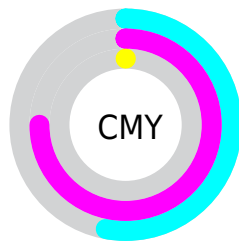
- Red (47%)
- Green (25%)
- Blue (100%)



- Red (47%)
- Yellow (25%)
- Blue (100%)



- Cyan (53%)
- Magenta (75%)
- Yellow (0%)
- Black (0%)





- Cyan (53%)
- Magenta (75%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.7038, 0.1997, 0.1071 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 14.7038, 0.1997, 0.1071 by changing the saturation by 10% instead.


 14.7038, 0.1997,
0.1071


 14.7038, 0.1997,
0.1071


221.5663, 0.2636,
0.2073


 8.6118, 0.1833,
0.0876

 34.3327, 0.2236,
0.1397


 4.4888, 0.1628,
0.0660


 48.6384, 0.2325,
0.1531


 1.9506, 0.1371,
0.0433


 66.4507, 0.2399,
0.1650

 0.5785, 0.1053,
0.0203

 88.1541, 0.2462,
0.1754

 0.0000, 0.0681,
0.0000

 114.1330, 0.2515,
0.1848

 0.0000, 0.0073,
0.0000

144.7717, 0.2561,

 0.0000, 0.0000,

0.1931

0.0000

180.4547, 0.2601,
0.2005

■ 14.7038, 0.1997,
0.1071

■ 14.7038, 0.1997,
0.1071

■ 11.3532, 0.1850,
0.0872

■ 19.5881, 0.2163,
0.1330

■ 9.3272, 0.1731,
0.0743

■ 26.1752, 0.2337,
0.1630

■ 8.6876, 0.1684,
0.0701

■ 34.6122, 0.2510,
0.1953

■ 45.0296, 0.2674,
0.2279

■ 57.5460, 0.2824,
0.2595

72.2704, 0.2957,
0.2890

89.3041, 0.3073,
0.3160

99.9366, 0.3133,
0.3299

Harmonies

Analogous

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



14.7038, 0.1011, 0.0904



14.7038, 0.1997, 0.1071



14.7038, 0.3899, 0.1560

Triad

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



14.7038, 0.1997, 0.1071



14.7038, 0.5944, 0.4056



14.7038, 0.0705, 0.3560

Complementary

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



14.7038, 0.1997, 0.1071



83.1149, 0.3708, 0.5192

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.



14.7038, 0.1532, 0.6776



14.7038, 0.1997, 0.1071



14.7038, 0.4445, 0.5555

Square

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



14.7038, 0.1997, 0.1071



14.7038, 0.6768, 0.3064



14.7038, 0.2847, 0.7153



14.7038, 0.0488, 0.1665

Rectangle

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



14.7038, 0.1997, 0.1071



14.7038, 0.5455, 0.2045



14.7038, 0.2847, 0.7153



14.7038, 0.0901, 0.4629

Sweetspot

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



14.7042, 0.1997, 0.1071



61.1341, 0.2855, 0.2662



49.4681, 0.2121, 0.2587



12.0169, 0.2804, 0.2552



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.



14.7042, 0.1997, 0.1071



10.3189, 0.1789, 0.0802



24.7984, 0.2799, 0.1477



17.6406, 0.3025, 0.3048



4.6460, 0.1698, 0.0709



0.5062, 0.1815, 0.0774

Inverse Universe

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



28.6547, 0.3851, 0.2093



25.5414, 0.4040, 0.2043



74.2156, 0.3162, 0.5575



18.2025, 0.3184, 0.3125



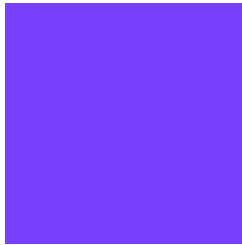
12.8336, 0.4144, 0.2056



1.2689, 0.4011, 0.1983

Previews

White Background



This preview shows how the Yxy color 14.7038, 0.1997, 0.1071 looks on a white background.

Color Contrast Check

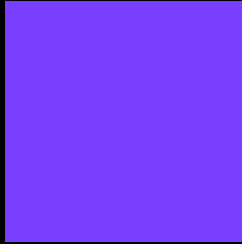
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.7038, 0.1997, 0.1071 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

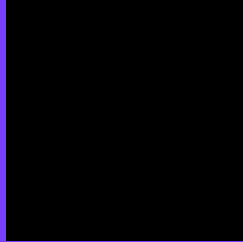
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.7038, 0.1997, 0.1071

Background



This preview shows how black text looks on a background with the Yxy color 14.7038, 0.1997, 0.1071.



This preview shows how white text looks on a background with the Yxy color 14.7038, 0.1997, 0.1071.

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

14.7038, 0.1997, 0.1071

Protanopia

14.7102, 0.1743, 0.1476

Deuteranopia

14.4824, 0.1854, 0.1873



Tritanopia

14.5885, 0.2623, 0.3089

Trichromacy



Original Color

14.7038, 0.1997, 0.1071



Protanomaly

13.2281, 0.1734, 0.1220



Deuteranomaly

12.8929, 0.1792, 0.1390



Tritanomaly

13.1971, 0.2301, 0.1937

Monochromacy



Original Color

14.7038, 0.1997, 0.1071



Achromatopsia

13.2868, 0.3127, 0.3290



Achromatomaly

12.6650, 0.2559, 0.2041

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.7038, 0.1997, 0.1071 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, 63, 254)` looks like.

```
.text, #text, p{  
  color:rgb(120, 63, 254)  
}
```

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, 63, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 63, 254) }
```

Border

The CSS property to change the border of an element to Yxy 14.7038, 0.1997, 0.1071 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, 63, 254) }
```

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

```
.border{ border-color:rgb(120, 63, 254) }
```

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

Here you see how a box with a 4 pixel rgb(120, 63, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 63, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 63, 254);  
box-shadow:4px 4px 4px 4px rgb(120, 63,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 14.7038, 0.1997, 0.1071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 63, 254) }
```

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

```
.background{ background-color: rgb(120, 63,  
254) }
```

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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