

Converting Colors

$Y_{xy}(13.7626, 0.2216, 0.0995)$

Have a look what the booklet for
Yxy(13.7626, 0.2216, 0.0995)
contains.

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Color

Yxy(13.7672, 0.2216, 0.0995)

Conversions

Conversions Part 1

Format	Color
Hex	9800FD
RGB	152, 0, 253
RGB Percent	60%, 0%, 99%
CMY	0.4042, 0.9981, 0.0080
CMYK	0.40, 1.00, 0.00, 0.01
HSL	276°, 100%, 50%
HSV	276°, 100%, 99%
XYZ	30.6614, 13.7672, 93.9352
YIQ	74.2900, 9.3790, 110.9070

Conversions

Conversions Part 2

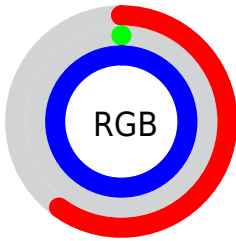
Format	Color
RYB	152, 0, 253
Decimal	9961725
CIELab	43.90, 84.74, -87.12
CIELCh	44, 121.536, 314.205
Yxy	13.7672, 0.2216, 0.0995
Android (android.graphics.Color)	4288151805 (0xFF9800FD)
YUV	74.2900, 88.1040, 68.1517
Hunter-Lab	37.1042, 82.5730, -124.1293

Details

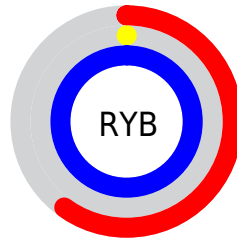
The Yxy color **13.7672, 0.2216, 0.0995** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **73.0233, 0.3229, 0.5817**, and the grayscale version is **6.7905, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.3325, 0.2811, 0.1619**, and **6.0148, 0.1928, 0.0836** is the 20% darker color. If you saturate the color by 10%, you get **13.7379, 0.2214, 0.0993**, and if you desaturate by 10%, it is **15.5046, 0.2313, 0.1087**.

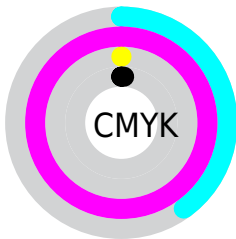
Distribution



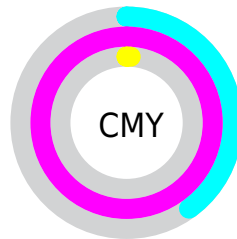
- Red (60%)
- Green (0%)
- Blue (99%)



- Red (60%)
- Yellow (0%)
- Blue (99%)



- Cyan (40%)
- Magenta (100%)
- Yellow (0%)
- Black (1%)




- Cyan (40%)
- Magenta (100%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7672, 0.2216, 0.0995 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 13.7672, 0.2216, 0.0995 by changing the saturation by 10% instead.


 13.7672, 0.2216,
0.0995


 13.7672, 0.2216,
0.0995


215.7777, 0.2763,
0.2009


 7.9589, 0.2068,
0.0803


 32.6754, 0.2427,
0.1320


 4.0687, 0.1877,
0.0594


 46.5441, 0.2504,
0.1455


 1.7121, 0.1632,
0.0377


 63.8684, 0.2567,
0.1576

 0.4314, 0.1319,
0.0151

 85.0327, 0.2620,
0.1682

 0.0000, 0.0927,
0.0000

 110.4214, 0.2664,
0.1777

 0.0000, 0.0402,
0.0000

 140.4189, 0.2702,

 0.0000, 0.0000,

0.1863

0.0000

175.4095, 0.2735,
0.1939

■ 13.7672, 0.2216,
0.0995

■ 13.7672, 0.2216,
0.0995

■ 13.7379, 0.2214,
0.0993

■ 15.5046, 0.2313,
0.1087

■ 18.2539, 0.2418,
0.1227

■ 22.2913, 0.2527,
0.1419

■ 27.7892, 0.2636,
0.1654

■ 34.8927, 0.2741,
0.1920

■ 43.7286, 0.2839,
0.2204

■ 54.4109, 0.2927,
0.2492

■ 67.0436, 0.3005,
0.2774

■ 81.7226, 0.3072,
0.3043

Harmonies

Analogous

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



13.7672, 0.1015, 0.0769



13.7672, 0.2216, 0.0995



13.7672, 0.4540, 0.1557

Triad

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



13.7672, 0.2216, 0.0995



13.7672, 0.5771, 0.4229



13.7672, 0.0438, 0.2871

Complementary

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



13.7672, 0.2216, 0.0995



73.0233, 0.3229, 0.5817

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.



13.7672, 0.1039, 0.6678



13.7672, 0.2216, 0.0995



13.7672, 0.3967, 0.6033

Square

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



13.7672, 0.2216, 0.0995



13.7672, 0.6946, 0.3054



13.7672, 0.2237, 0.7763



13.7672, 0.0352, 0.1274

Rectangle

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



13.7672, 0.2216, 0.0995



13.7672, 0.6223, 0.2063



13.7672, 0.2237, 0.7763



13.7672, 0.0559, 0.3941

Sweetspot

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



13.7676, 0.2216, 0.0995



55.1688, 0.2926, 0.2486



17.3362, 0.1690, 0.1282



10.7793, 0.2890, 0.2364



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.



13.7676, 0.2216, 0.0995



13.9871, 0.2214, 0.0993



26.7073, 0.3434, 0.1666



17.9165, 0.3074, 0.3051



7.3978, 0.2229, 0.1002



0.7839, 0.2338, 0.1062

Inverse Universe

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



21.8357, 0.5419, 0.2760



22.2204, 0.5426, 0.2763



70.2840, 0.2988, 0.5957



18.1075, 0.3231, 0.3195



11.6382, 0.5383, 0.2739



1.1540, 0.5082, 0.2573

Previews

White Background



This preview shows how the Yxy color 13.7672, 0.2216, 0.0995 looks on a white background.

Color Contrast Check

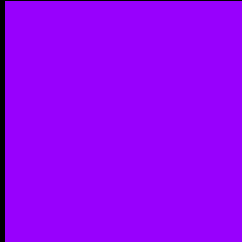
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.7672, 0.2216, 0.0995 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

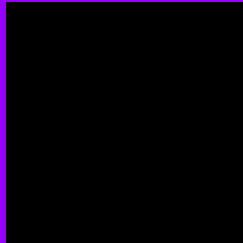
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.7672, 0.2216, 0.0995

Background



This preview shows how black text looks on a background with the Yxy color 13.7672, 0.2216, 0.0995.



This preview shows how white text looks on a background with the Yxy color 13.7672, 0.2216, 0.0995.

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

13.7672, 0.2216, 0.0995

Protanopia

14.1115, 0.1744, 0.1477

Deuteranopia

14.1440, 0.1858, 0.1890



Tritanopia

14.0292, 0.3357, 0.3150

Trichromacy



Original Color

13.7672, 0.2216, 0.0995



Protanomaly

10.0805, 0.1708, 0.0989



Deuteranomaly

9.6225, 0.1766, 0.1126



Tritanomaly

10.9638, 0.2808, 0.1754

Monochromacy



Original Color

13.7672, 0.2216, 0.0995



Achromatopsia

7.0360, 0.3127, 0.3290



Achromatomaly

6.8909, 0.2598, 0.1573

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7672, 0.2216, 0.0995 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(152, 0, 253)` looks like.

```
.text, #text, p{  
  color:rgb(152, 0, 253)  
}
```

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(152, 0, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 0, 253) }
```

Border

The CSS property to change the border of an element to Yxy 13.7672, 0.2216, 0.0995 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(152, 0, 253) }
```

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

```
.border{ border-color:rgb(152, 0, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 0, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 0, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 0, 253);  
box-shadow:4px 4px 4px 4px rgb(152, 0,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7672, 0.2216, 0.0995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 0, 253) }
```

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

```
.background{ background-color: rgb(152, 0,  
253) }
```

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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