

Converting Colors

$Y_{xy}(13.7009, 0.1990, 0.1002)$

Have a look what the booklet for
Yxy(13.7009, 0.1990, 0.1002)
contains.

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Color

Yxy(13.7252, 0.1993, 0.1003)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 7A33FF |
| RGB | 122, 51, 255 |
| RGB Percent | 48%, 20%, 100% |
| CMY | 0.5212, 0.8004, 0.0000 |
| CMYK | 0.52, 0.80, 0.00, 0.00 |
| HSL | 261°, 100%, 60% |
| HSV | 261°, 80%, 100% |
| XYZ | 27.2725, 13.7252, 95.8438 |
| YIQ | 95.4850, -23.1680, 78.4960 |

Conversions

Conversions Part 2

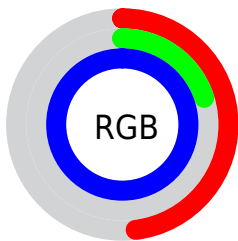
| Format | Color |
|-------------------------------------|--------------------------------|
| R _{YB} | 122, 51, 255 |
| Decimal | 8008703 |
| CIE _{Lab} | 43.84, 71.87, -88.51 |
| CIE _{LCh} | 44, 114.014, 309.077 |
| Yxy | 13.7252, 0.1993, 0.1003 |
| Android (android.graphics.Color) | 4286198783 (0xFF7A33FF) |
| YUV | 95.4850, 78.6409, 23.2537 |
| Hunter-Lab | 37.0475, 66.5694, -127.4528 |

Details

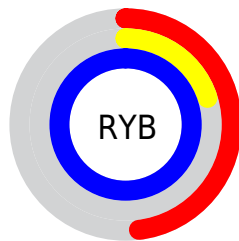
The Yxy color **13.7252, 0.1993, 0.1003** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **81.9256, 0.3642, 0.5320**, and the grayscale version is **11.3710, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.0497, 0.2561, 0.1659**, and **4.6596, 0.1635, 0.0674** is the 20% darker color. If you saturate the color by 10%, you get **10.9655, 0.1858, 0.0839**, and if you desaturate by 10%, it is **17.9079, 0.2147, 0.1230**.

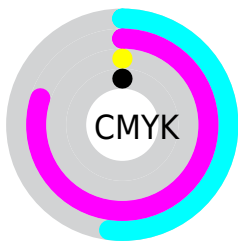
Distribution



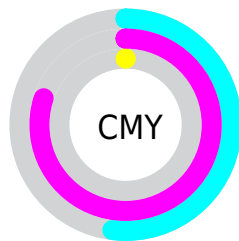
- Red (48%)
- Green (20%)
- Blue (100%)



- Red (48%)
- Yellow (20%)
- Blue (100%)



- Cyan (52%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)





- Cyan (52%)
- Magenta (80%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7252, 0.1993, 0.1003 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 13.7252, 0.1993, 0.1003 by changing the saturation by 10% instead.


 13.7252, 0.1993,
0.1003


 13.7252, 0.1993,
0.1003


215.5145, 0.2641,
0.2024


 7.9298, 0.1827,
0.0808


 32.6006, 0.2236,
0.1332


 4.0501, 0.1618,
0.0596


 46.4494, 0.2326,
0.1469


 1.7016, 0.1357,
0.0377


 63.7515, 0.2401,
0.1590


 0.4247, 0.1039,
0.0149

 84.8912, 0.2465,
0.1697

 0.0000, 0.0663,
0.0000

 110.2530, 0.2519,
0.1793

 0.0000, 0.0057,
0.0000

 140.2212, 0.2565,

 0.0000, 0.0000,

0.1878

0.0000

175.1803, 0.2605,
0.1955

■ 13.7252, 0.1993,
0.1003

■ 13.7252, 0.1993,
0.1003

■ 10.9655, 0.1858,
0.0839

■ 17.9079, 0.2147,
0.1230

■ 9.3409, 0.1749,
0.0737

■ 23.7027, 0.2311,
0.1506

■ 31.2640, 0.2477,
0.1814

■ 40.7284, 0.2635,
0.2134

■ 52.2186, 0.2782,
0.2451

■ 65.8472, 0.2913,
0.2753

■ 81.7179, 0.3028,
0.3034

99.9279, 0.3127,
0.3289

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.



13.7252, 0.0960, 0.0825



13.7252, 0.1993, 0.1003



13.7252, 0.4041, 0.1507

Triad

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



13.7252, 0.1993, 0.1003



13.7252, 0.5960, 0.4040



13.7252, 0.0580, 0.3409

Complementary

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



13.7252, 0.1993, 0.1003



81.9256, 0.3642, 0.5320

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.



13.7252, 0.1341, 0.6974



13.7252, 0.1993, 0.1003



13.7252, 0.4335, 0.5665

Square

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



13.7252, 0.1993, 0.1003



13.7252, 0.6933, 0.3010



13.7252, 0.2629, 0.7371



13.7252, 0.0409, 0.1518

Rectangle

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



13.7252, 0.1993, 0.1003



13.7252, 0.5702, 0.2001



13.7252, 0.2629, 0.7371



13.7252, 0.0752, 0.4552

Sweetspot

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



13.7236, 0.1993, 0.1003



60.1838, 0.2863, 0.2636



43.4486, 0.2046, 0.2392



11.8551, 0.2816, 0.2528



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.



13.7236, 0.1993, 0.1003



9.9057, 0.1790, 0.0773



24.9491, 0.2871, 0.1460



17.6858, 0.3033, 0.3048



4.9555, 0.1765, 0.0746



0.5406, 0.1887, 0.0813

Inverse Universe

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



27.0723, 0.4055, 0.2150



24.3692, 0.4301, 0.2158



73.6858, 0.3108, 0.5712



18.1864, 0.3192, 0.3136



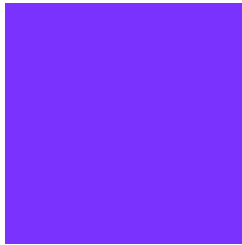
12.5778, 0.4337, 0.2163



1.2453, 0.4175, 0.2073

Previews

White Background



This preview shows how the Yxy color 13.7252, 0.1993, 0.1003 looks on a white background.

Color Contrast Check

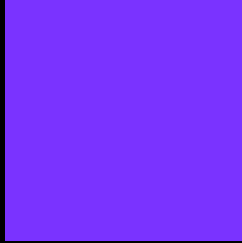
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.7252, 0.1993, 0.1003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

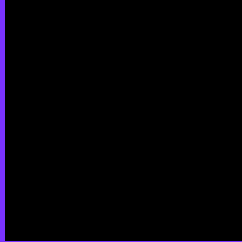
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.7252, 0.1993, 0.1003

Background



This preview shows how black text looks on a background with the Yxy color 13.7252, 0.1993, 0.1003.



This preview shows how white text looks on a background with the Yxy color 13.7252, 0.1993, 0.1003.

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

13.7252, 0.1993, 0.1003

Protanopia

13.7675, 0.1746, 0.1485

Deuteranopia

13.6034, 0.1858, 0.1887



Tritanopia

13.6483, 0.2673, 0.3107

Trichromacy



Original Color

13.7252, 0.1993, 0.1003

Protanomaly

12.0610, 0.1723, 0.1169

Deuteranomaly

11.6960, 0.1780, 0.1332

Tritanomaly

12.0393, 0.2315, 0.1846

Monochromacy



Original Color

13.7252, 0.1993, 0.1003

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

10.8951, 0.2532, 0.1920

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7252, 0.1993, 0.1003 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(122, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(122, 51, 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(122, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 51, 255) }
```

Border

The CSS property to change the border of an element to Yxy 13.7252, 0.1993, 0.1003 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(122, 51, 255) }
```

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

```
.border{ border-color:rgb(122, 51, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 51, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(122, 51,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7252, 0.1993, 0.1003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 51, 255) }
```

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

```
.background{ background-color: rgb(122, 51,  
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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