

Converting Colors

$Y_{xy}(13.0137, 0.1922, 0.0966)$

Have a look what the booklet for
Yxy(13.0137, 0.1922, 0.0966)
contains.

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Color

Yxy(13.0324, 0.1924, 0.0967)

Conversions

Conversions Part 1

Format	Color
Hex	7033FF
RGB	112, 51, 255
RGB Percent	44%, 20%, 100%
CMY	0.5605, 0.8004, 0.0000
CMYK	0.56, 0.80, 0.00, 0.00
HSL	258°, 100%, 60%
HSV	258°, 80%, 100%
XYZ	25.9300, 13.0324, 95.8090
YIQ	92.4950, -29.1280, 76.3760

Conversions

Conversions Part 2

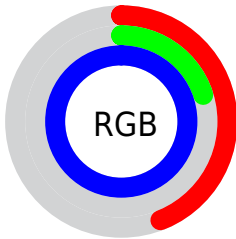
Format	Color
R _Y B	112, 51, 255
Decimal	7353343
CIE Lab	42.81, 70.78, -90.25
CIE LCh	43, 114.698, 308.107
Yxy	13.0324, 0.1924, 0.0967
Android (android.graphics.Color)	4285543423 (0xFF7033FF)
YUV	92.4950, 80.1150, 17.1059
Hunter-Lab	36.1004, 65.0364, -132.0829

Details

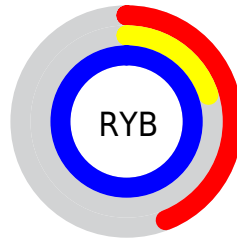
The Yxy color **13.0324, 0.1924, 0.0967** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **83.2052, 0.3710, 0.5271**, and the grayscale version is **10.6308, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.8752, 0.2493, 0.1621**, and **4.2781, 0.1554, 0.0630** is the 20% darker color. If you saturate the color by 10%, you get **10.3236, 0.1790, 0.0802**, and if you desaturate by 10%, it is **17.1848, 0.2082, 0.1198**.

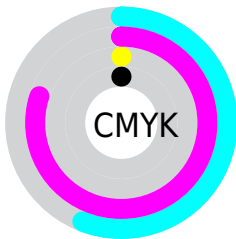
Distribution



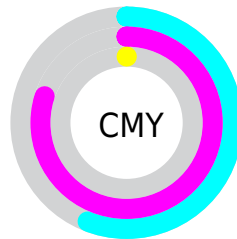
- Red (44%)
- Green (20%)
- Blue (100%)



- Red (44%)
- Yellow (20%)
- Blue (100%)



- Cyan (56%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)





- Cyan (56%)
- Magenta (80%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0324, 0.1924, 0.0967 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 13.0324, 0.1924, 0.0967 by changing the saturation by 10% instead.


 13.0324, 0.1924,
0.0967


 13.0324, 0.1924,
0.0967

211.1252, 0.2607,
0.2004


 7.4509, 0.1751,
0.0772


 31.3620, 0.2179,
0.1299


 3.7456, 0.1535,
0.0560


 44.8788, 0.2274,
0.1438

 1.5323, 0.1268,
0.0345

 61.8095, 0.2353,
0.1561

 0.3113, 0.0948,
0.0111

 82.5385, 0.2421,
0.1670

 0.0000, 0.0578,
0.0000

 107.4502, 0.2478,
0.1768

 0.0000, 0.0000,
0.0000

 136.9289, 0.2527,

0.1855

171.3591, 0.2570,
0.1933

■ 13.0324, 0.1924,
0.0967

■ 13.0324, 0.1924,
0.0967

■ 10.3236, 0.1790,
0.0802

■ 17.1848, 0.2082,
0.1198

■ 8.7739, 0.1685,
0.0702

■ 22.9797, 0.2254,
0.1481

■ 30.5717, 0.2428,
0.1796

■ 40.0997, 0.2597,
0.2122

■ 51.6888, 0.2754,
0.2445

■ 65.4534, 0.2895,
0.2751

■ 81.4993, 0.3019,
0.3033

99.9253, 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.



13.0324, 0.0914, 0.0799



13.0324, 0.1924, 0.0967



13.0324, 0.3972, 0.1460

Triad

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



13.0324, 0.1924, 0.0967



13.0324, 0.6027, 0.3973



13.0324, 0.0560, 0.3500

Complementary

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



13.0324, 0.1924, 0.0967



83.2052, 0.3710, 0.5271

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.



13.0324, 0.1330, 0.7163



13.0324, 0.1924, 0.0967



13.0324, 0.4382, 0.5618

Square

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



13.0324, 0.1924, 0.0967



13.0324, 0.6999, 0.2953



13.0324, 0.2625, 0.7375



13.0324, 0.0385, 0.1519

Rectangle

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



13.0324, 0.1924, 0.0967



13.0324, 0.5678, 0.1951



13.0324, 0.2625, 0.7375



13.0324, 0.0734, 0.4700

Sweetspot

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



13.0286, 0.1924, 0.0967



59.7327, 0.2841, 0.2632



47.9322, 0.2084, 0.2534



11.7484, 0.2791, 0.2522



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.



13.0286, 0.1924, 0.0967



9.3063, 0.1724, 0.0737



23.3955, 0.2771, 0.1408



17.6416, 0.3026, 0.3048



4.6518, 0.1699, 0.0710



0.5068, 0.1817, 0.0774

Inverse Universe

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



27.5067, 0.3916, 0.2066



24.8436, 0.4118, 0.2056



74.1977, 0.3147, 0.5683



18.2022, 0.3184, 0.3125



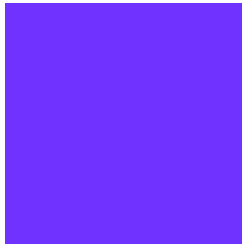
12.8281, 0.4148, 0.2058



1.2684, 0.4014, 0.1985

Previews

White Background



This preview shows how the Yxy color 13.0324, 0.1924, 0.0967 looks on a white background.

Color Contrast Check

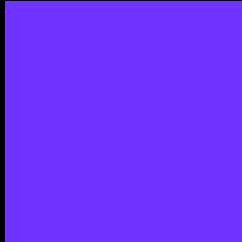
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.0324, 0.1924, 0.0967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

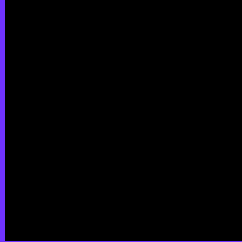
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 13.0324, 0.1924, 0.0967

Background



This preview shows how black text looks on a background with the Yxy color 13.0324, 0.1924, 0.0967.



This preview shows how white text looks on a background with the Yxy color 13.0324, 0.1924, 0.0967.

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

13.0324, 0.1924, 0.0967

Protanopia

12.9090, 0.1746, 0.1485

Deuteranopia

12.7956, 0.1858, 0.1889



Tritanopia

12.9782, 0.2492, 0.3098

Trichromacy



Original Color

13.0324, 0.1924, 0.0967

Protanomaly

11.5365, 0.1714, 0.1156

Deuteranomaly

11.1717, 0.1770, 0.1320

Tritanomaly

11.3119, 0.2172, 0.1795

Monochromacy



Original Color

13.0324, 0.1924, 0.0967

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.1948, 0.2473, 0.1884

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0324, 0.1924, 0.0967 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(112, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(112, 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(112, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 51, 255) }
```

Border

The CSS property to change the border of an element to Yxy 13.0324, 0.1924, 0.0967 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(112, 51, 255) }
```

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

```
.border{ border-color:rgb(112, 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(112, 51, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(112, 51,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0324, 0.1924, 0.0967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 51, 255) }
```

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

```
.background{ background-color: rgb(112, 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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