

Converting Colors

$Y_{xy}(13.1578, 0.1740, 0.0991)$

Have a look what the booklet for
Yxy(13.1578, 0.1740, 0.0991)
contains.

Yxy(13.1042, 0.1741, 0.0993)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(13.1042, 0.1741, 0.0993)

Conversions

Conversions Part 1

Format	Color
Hex	4847FF
RGB	72, 71, 255
RGB Percent	28%, 28%, 100%
CMY	0.7172, 0.7216, 0.0002
CMYK	0.72, 0.72, 0.00, 0.00
HSL	240°, 100%, 64%
HSV	240°, 72%, 100%
XYZ	22.9752, 13.1042, 95.8863
YIQ	92.2750, -58.4680, 57.4360

Conversions

Conversions Part 2

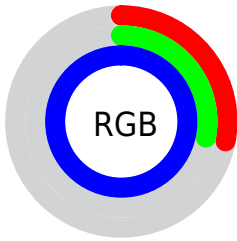
Format	Color
R _Y B	72, 71, 255
Decimal	4737023
CIE Lab	42.92, 57.50, -90.12
CIE LCh	43, 106.899, 302.541
Yxy	13.1042, 0.1741, 0.0993
Android (android.graphics.Color)	4282927103 (0xFF4847FF)
YUV	92.2750, 80.2234, -17.7812
Hunter-Lab	36.1997, 49.9409, -131.7084

Details

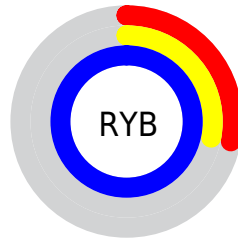
The Yxy color **13.1042, 0.1741, 0.0993** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **92.9839, 0.4079, 0.4881**, and the grayscale version is **10.5969, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.8240, 0.2259, 0.1665**, and **4.6440, 0.1523, 0.0681** is the 20% darker color. If you saturate the color by 10%, you get **9.7308, 0.1609, 0.0777**, and if you desaturate by 10%, it is **18.2381, 0.1917, 0.1283**.

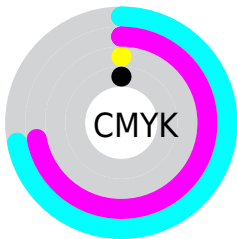
Distribution



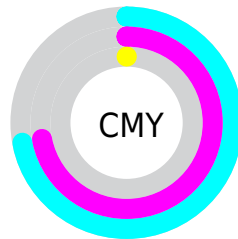
- Red (28%)
- Green (28%)
- Blue (100%)



- Red (28%)
- Yellow (28%)
- Blue (100%)



- Cyan (72%)
- Magenta (72%)
- Yellow (0%)
- Black (0%)





- Cyan (72%)
- Magenta (72%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1042, 0.1741, 0.0993 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 13.1042, 0.1741, 0.0993 by changing the saturation by 10% instead.


 13.1042, 0.1741,
0.0993


 13.1042, 0.1741,
0.0993


211.5844, 0.2502,
0.2035


 7.5003, 0.1556,
0.0794


 31.4909, 0.2019,
0.1330


 3.7769, 0.1330,
0.0578


 45.0424, 0.2125,
0.1470

 1.5496, 0.1057,
0.0356


 62.0121, 0.2213,
0.1593

 0.3232, 0.0743,
0.0117

 82.7841, 0.2289,
0.1703

 0.0000, 0.0396,
0.0000

 107.7430, 0.2354,
0.1800

 0.0000, 0.0000,
0.0000

137.2730, 0.2410,

0.1887

171.7587, 0.2459,
0.1965

■ 13.1042, 0.1741,
0.0993

■ 13.1042, 0.1741,
0.0993

■ 9.7308, 0.1609,
0.0777

■ 18.2381, 0.1917,
0.1283

■ 7.8815, 0.1531,
0.0648

■ 25.3273, 0.2122,
0.1622

■ 7.2270, 0.1501,
0.0601

■ 34.5414, 0.2339,
0.1980

■ 46.0318, 0.2552,
0.2335

■ 59.9358, 0.2753,
0.2668

■ 76.3801, 0.2935,
0.2970

■ 95.4824, 0.3095,
0.3237

■ 99.9970, 0.3127,
0.3290

Harmonies

Analogous

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



13.1042, 0.0881, 0.0877



13.1042, 0.1741, 0.0993



13.1042, 0.3503, 0.1422

Triad

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



13.1042, 0.1741, 0.0993



13.1042, 0.6181, 0.3819



13.1042, 0.0760, 0.4109

Complementary

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



13.1042, 0.1741, 0.0993



92.9839, 0.4079, 0.4881

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.



13.1042, 0.1691, 0.7235



13.1042, 0.1741, 0.0993



13.1042, 0.4732, 0.5268

Square

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



13.1042, 0.1741, 0.0993



13.1042, 0.6846, 0.2896



13.1042, 0.3056, 0.6944



13.1042, 0.0469, 0.1839

Rectangle

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



13.1042, 0.1741, 0.0993



13.1042, 0.5101, 0.1885



13.1042, 0.3056, 0.6944



13.1042, 0.0995, 0.5294

Sweetspot

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



13.1044, 0.1741, 0.0993



60.1961, 0.2756, 0.2673



80.0464, 0.2316, 0.3288



12.0222, 0.2703, 0.2585



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.



13.1044, 0.1741, 0.0993



8.6648, 0.1564, 0.0703



19.5059, 0.2338, 0.1289



17.3831, 0.2979, 0.3044



3.7801, 0.1502, 0.0601



0.3698, 0.1506, 0.0603

Inverse Universe

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



32.9014, 0.3212, 0.1723



29.4892, 0.3221, 0.1593



79.7286, 0.3458, 0.5304



18.2984, 0.3139, 0.3057



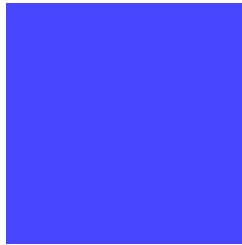
14.8302, 0.3224, 0.1550



1.4446, 0.3223, 0.1549

Previews

White Background



This preview shows how the Yxy color 13.1042, 0.1741, 0.0993 looks on a white background.

Color Contrast Check

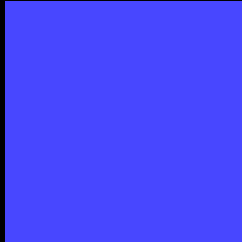
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.1042, 0.1741, 0.0993 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

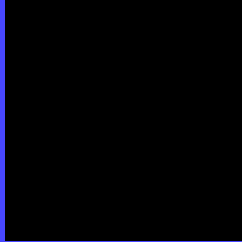
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 13.1042, 0.1741, 0.0993

Background



This preview shows how black text looks on a background with the Yxy color 13.1042, 0.1741, 0.0993.



This preview shows how white text looks on a background with the Yxy color 13.1042, 0.1741, 0.0993.

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

13.1042, 0.1741, 0.0993

Protanopia

12.9090, 0.1746, 0.1485

Deuteranopia

12.7565, 0.1862, 0.1901



Tritanopia

12.7008, 0.2191, 0.3087

Trichromacy



Original Color

13.1042, 0.1741, 0.0993

Protanomaly

12.5268, 0.1705, 0.1239

Deuteranomaly

12.0136, 0.1759, 0.1414

Tritanomaly

11.4125, 0.1892, 0.1849

Monochromacy



Original Color

13.1042, 0.1741, 0.0993

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.5063, 0.2330, 0.1958

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1042, 0.1741, 0.0993 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(72, 71, 255)` looks like.

```
.text, #text, p{  
    color:rgb(72, 71, 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(72, 71, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 71, 255) }
```

Border

The CSS property to change the border of an element to Yxy 13.1042, 0.1741, 0.0993 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(72, 71, 255) }
```

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

```
.border{ border-color:rgb(72, 71, 255) }
```

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

Here you see how a box with a 4 pixel rgb(72, 71, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 71, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 71, 255);  
box-shadow:4px 4px 4px 4px rgb(72, 71,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 13.1042, 0.1741, 0.0993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 71, 255) }
```

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

```
.background{ background-color: rgb(72, 71,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor