

Converting Colors

$Y_{xy}(13.7167, 0.2437, 0.1673)$

Have a look what the booklet for
Yxy(13.7167, 0.2437, 0.1673)
contains.

Yxy(13.7173, 0.2437, 0.1679)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.7173, 0.2437, 0.1679)

Conversions

Conversions Part 1

Format	Color
Hex	7A52BA
RGB	122, 82, 186
RGB Percent	48%, 32%, 73%
CMY	0.5215, 0.6785, 0.2705
CMYK	0.34, 0.56, 0.00, 0.27
HSL	263°, 43%, 53%
HSV	263°, 56%, 73%
XYZ	19.9101, 13.7173, 48.0718
YIQ	105.8160, -9.5440, 40.8240

Conversions

Conversions Part 2

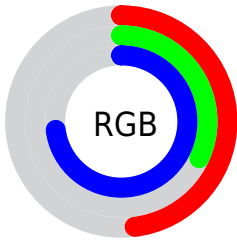
Format	Color
R _Y B	122, 82, 186
Decimal	8016570
CIE Lab	43.82, 39.08, -49.14
CIE LCh	44, 62.791, 308.494
Yxy	13.7173, 0.2437, 0.1679
Android (android.graphics.Color)	4286206650 (0xFF7A52BA)
YUV	105.8160, 39.5307, 14.1934
Hunter-Lab	37.0369, 31.1426, -51.0293

Details

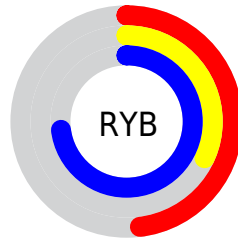
The Yxy color **13.7173, 0.2437, 0.1679** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **41.8534, 0.3548, 0.4798**, and the grayscale version is **14.2520, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.7111, 0.2610, 0.1989**, and **4.0389, 0.2132, 0.1209** is the 20% darker color. If you saturate the color by 10%, you get **10.4957, 0.2281, 0.1395**, and if you desaturate by 10%, it is **17.7988, 0.2589, 0.1984**.

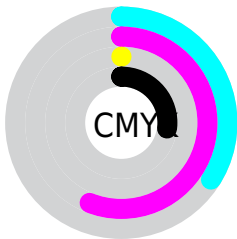
Distribution



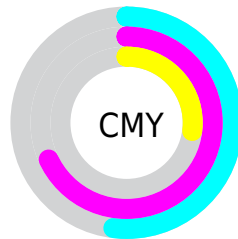
- Red (48%)
- Green (32%)
- Blue (73%)



- Red (48%)
- Yellow (32%)
- Blue (73%)



- Cyan (34%)
- Magenta (56%)
- Yellow (0%)
- Black (27%)




- Cyan (52%)
- Magenta (68%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7173, 0.2437, 0.1679 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 13.7173, 0.2437, 0.1679 by changing the saturation by 10% instead.


 13.7173, 0.2437,
0.1679


 13.7173, 0.2437,
0.1679


215.4650, 0.2856,
0.2519

 7.9243, 0.2308,
0.1471


 32.5866, 0.2607,
0.1987


 4.0466, 0.2130,
0.1211


 46.4316, 0.2666,
0.2102


 1.6996, 0.1873,
0.0889

 63.7295, 0.2713,
0.2199

 0.4234, 0.1504,
0.0434

 84.8646, 0.2752,
0.2282

 0.0000, 0.0719,
0.0000

 110.2213, 0.2785,
0.2354

 0.0000, 0.0000,
0.0000

140.1840, 0.2812,

0.2416

175.1371, 0.2836,
0.2471

■ 13.7173, 0.2437,
0.1679

■ 13.7173, 0.2437,
0.1679

■ 10.4957, 0.2281,
0.1395

■ 17.7988, 0.2589,
0.1984

■ 8.0660, 0.2128,
0.1148

■ 22.7979, 0.2731,
0.2294

■ 6.3520, 0.1987,
0.0954

■ 28.7689, 0.2861,
0.2596

■ 5.2567, 0.1865,
0.0821

■ 35.7615, 0.2975,
0.2881

■ 4.9076, 0.1820,
0.0776

■ 43.8218, 0.3075,
0.3145

■ 52.9930, 0.3160,
0.3385

■ 63.3160, 0.3233,
0.3600

■ 74.8296, 0.3294,
0.3792

■ 87.5707, 0.3346,
0.3963

Harmonies

Analogous

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



13.7173, 0.1617, 0.1530



13.7173, 0.2437, 0.1679



13.7173, 0.3695, 0.2107

Triad

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



13.7173, 0.2437, 0.1679



13.7173, 0.5301, 0.4316



13.7173, 0.1472, 0.3539

Complementary

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



13.7173, 0.2437, 0.1679



41.8534, 0.3548, 0.4798

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.



13.7173, 0.2255, 0.5128



13.7173, 0.2437, 0.1679



13.7173, 0.4435, 0.5208

Square

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



13.7173, 0.2437, 0.1679



13.7173, 0.5599, 0.3491



13.7173, 0.3342, 0.5758



13.7173, 0.1156, 0.2294

Rectangle

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



13.7173, 0.2437, 0.1679



13.7173, 0.4604, 0.2519



13.7173, 0.3342, 0.5758



13.7173, 0.1681, 0.4083

Sweetspot

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



13.7178, 0.2437, 0.1679



62.9684, 0.2961, 0.2844



25.9440, 0.2290, 0.2624



13.2822, 0.2938, 0.2787



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.7178, 0.2437, 0.1679



17.9390, 0.2247, 0.1337



18.5661, 0.3041, 0.1926



8.8834, 0.3043, 0.3058



3.3406, 0.1833, 0.0783



0.1538, 0.2142, 0.0954

Inverse Universe

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



18.5518, 0.3731, 0.2432



27.9382, 0.3927, 0.2296



38.1278, 0.3123, 0.5021



9.1026, 0.3195, 0.3150



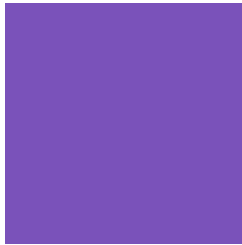
7.8624, 0.4457, 0.2229



0.2889, 0.4056, 0.2008

Previews

White Background



This preview shows how the Yxy color 13.7173, 0.2437, 0.1679 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 13.7173, 0.2437, 0.1679 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

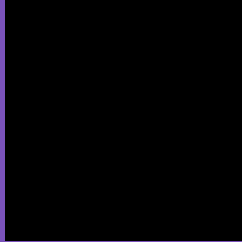
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.7173, 0.2437, 0.1679

Background



This preview shows how black text looks on a background with the Yxy color 13.7173, 0.2437, 0.1679.



This preview shows how white text looks on a background with the Yxy color 13.7173, 0.2437, 0.1679.

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

13.7173, 0.2437, 0.1679

Protanopia

13.9154, 0.1819, 0.1549

Deuteranopia

13.8905, 0.1933, 0.1882



Tritanopia

13.6927, 0.3078, 0.3120

Trichromacy



Original Color

13.7173, 0.2437, 0.1679



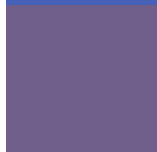
Protanomaly

13.1349, 0.1947, 0.1550



Deuteranomaly

13.2704, 0.2042, 0.1765



Tritanomaly

13.4641, 0.2810, 0.2463

Monochromacy



Original Color

13.7173, 0.2437, 0.1679



Achromatopsia

14.4128, 0.3127, 0.3290



Achromatomaly

13.7434, 0.2847, 0.2553

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7173, 0.2437, 0.1679 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, 82, 186)` looks like.

```
.text, #text, p{  
    color:rgb(122, 82, 186)  
}
```

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, 82, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 82, 186) }
```

Border

The CSS property to change the border of an element to Yxy 13.7173, 0.2437, 0.1679 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, 82, 186) }
```

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

```
.border{ border-color:rgb(122, 82, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 82, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(122, 82, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(122, 82, 186); box-shadow:4px 4px 4px 4px rgb(122, 82, 186) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7173, 0.2437, 0.1679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 82, 186) }
```

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

```
.background{ background-color: rgb(122, 82,  
186) }
```

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