

Converting Colors

$Y_{xy}(13.9382, 0.2617, 0.1677)$

Have a look what the booklet for
Yxy(13.9382, 0.2617, 0.1677)
contains.

Yxy(13.9382, 0.2617, 0.1677)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.9382, 0.2617, 0.1677)

Conversions

Conversions Part 1

Format	Color
Hex	8A4BB9
RGB	138, 75, 185
RGB Percent	54%, 29%, 73%
CMY	0.4588, 0.7058, 0.2746
CMYK	0.25, 0.59, 0.00, 0.27
HSL	274°, 44%, 51%
HSV	274°, 59%, 73%
XYZ	21.7509, 13.9382, 47.4248
YIQ	106.3770, 2.2380, 47.5660

Conversions

Conversions Part 2

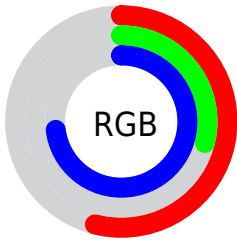
Format	Color
R_{YB}	138, 75, 185
Decimal	9063353
CIE _{Lab}	44.14, 46.59, -47.91
CIE _{LCh}	44, 66.826, 314.201
Yxy	13.9382, 0.2617, 0.1677
Android (android.graphics.Color)	4287253433 (0xFF8A4BB9)
YUV	106.3770, 38.7611, 27.7334
Hunter-Lab	37.3339, 38.6606, -49.1816

Details

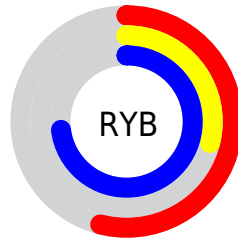
The Yxy color **13.9382, 0.2617, 0.1677** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **39.3292, 0.3380, 0.4990**, and the grayscale version is **14.4142, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.0589, 0.2748, 0.1981**, and **4.1363, 0.2367, 0.1215** is the 20% darker color. If you saturate the color by 10%, you get **11.1337, 0.2503, 0.1436**, and if you desaturate by 10%, it is **17.5221, 0.2726, 0.1946**.

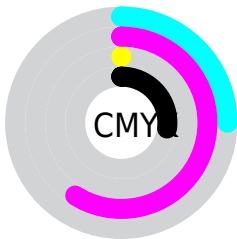
Distribution



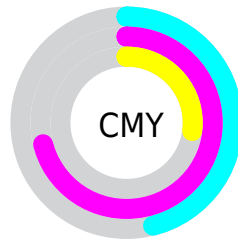
- Red (54%)
- Green (29%)
- Blue (73%)



- Red (54%)
- Yellow (29%)
- Blue (73%)



- Cyan (25%)
- Magenta (59%)
- Yellow (0%)
- Black (27%)



- Cyan (46%)
- Magenta (71%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.9382, 0.2617, 0.1677 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 13.9382, 0.2617, 0.1677 by changing the saturation by 10% instead.


 13.9382, 0.2617,
0.1677


 13.9382, 0.2617,
0.1677


216.8460, 0.2940,
0.2511


 8.0777, 0.2513,
0.1472


 32.9793, 0.2752,
0.1981

 4.1447, 0.2365,
0.1217


 46.9288, 0.2797,
0.2095


 1.7548, 0.2145,
0.0900

 64.3433, 0.2833,
0.2192

 0.4588, 0.1816,
0.0461

 85.6073, 0.2863,
0.2274

 0.0000, 0.1204,
0.0000

 111.1051, 0.2887,
0.2346

 0.0000, 0.0000,
0.0000

141.2213, 0.2907,

0.2408

176.3401, 0.2925,
0.2462

■ 13.9382, 0.2617,
0.1677

■ 13.9382, 0.2617,
0.1677

■ 11.1337, 0.2503,
0.1436

■ 17.5221, 0.2726,
0.1946

■ 9.0408, 0.2389,
0.1234

■ 21.9422, 0.2828,
0.2229

■ 7.5822, 0.2280,
0.1082

■ 27.2518, 0.2920,
0.2515

■ 6.6119, 0.2178,
0.0976

■ 33.4991, 0.3001,
0.2793

■ 6.5626, 0.2172,
0.0970

■ 40.7288, 0.3071,
0.3057

■ 48.9826, 0.3130,
0.3303

■ 58.2999, 0.3180,
0.3529

■ 68.7179, 0.3222,
0.3734

■ 80.2721, 0.3256,
0.3919

Harmonies

Analogous

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



13.9382, 0.1677, 0.1468



13.9382, 0.2617, 0.1677



13.9382, 0.4003, 0.2166

Triad

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



13.9382, 0.2617, 0.1677



13.9382, 0.5238, 0.4496



13.9382, 0.1297, 0.3234

Complementary

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



13.9382, 0.2617, 0.1677



39.3292, 0.3380, 0.4990

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.



13.9382, 0.2006, 0.4964



13.9382, 0.2617, 0.1677



13.9382, 0.4251, 0.5440

Square

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



13.9382, 0.2617, 0.1677



13.9382, 0.5722, 0.3620



13.9382, 0.3097, 0.5903



13.9382, 0.1066, 0.2071

Rectangle

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



13.9382, 0.2617, 0.1677



13.9382, 0.4930, 0.2611



13.9382, 0.3097, 0.5903



13.9382, 0.1476, 0.3788

Sweetspot

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



13.9387, 0.2617, 0.1677



61.4180, 0.3009, 0.2824



19.0800, 0.2165, 0.2209



12.4912, 0.2988, 0.2745



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



13.9387, 0.2617, 0.1677



18.8084, 0.2472, 0.1376



18.5443, 0.3283, 0.1995



8.9665, 0.3072, 0.3060



4.5139, 0.2185, 0.0977



0.1948, 0.2447, 0.1122

Inverse Universe

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



16.7493, 0.4128, 0.2657



24.7519, 0.4476, 0.2583



36.7954, 0.3001, 0.5069



9.0742, 0.3223, 0.3193



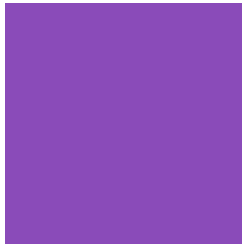
7.4218, 0.5235, 0.2657



0.2741, 0.4585, 0.2299

Previews

White Background



This preview shows how the Yxy color 13.9382, 0.2617, 0.1677 looks on a white background.

Color Contrast Check

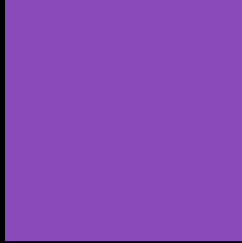
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.9382, 0.2617, 0.1677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

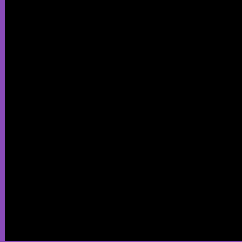
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.9382, 0.2617, 0.1677

Background



This preview shows how black text looks on a background with the Yxy color 13.9382, 0.2617, 0.1677.



This preview shows how white text looks on a background with the Yxy color 13.9382, 0.2617, 0.1677.

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

13.9382, 0.2617, 0.1677

Protanopia

14.2550, 0.1775, 0.1496

Deuteranopia

14.2409, 0.1988, 0.1938



Tritanopia

13.8544, 0.3422, 0.3132

Trichromacy



Original Color

13.9382, 0.2617, 0.1677

Protanomaly

13.0424, 0.1911, 0.1495

Deuteranomaly

13.3145, 0.2131, 0.1783

Tritanomaly

13.5331, 0.3093, 0.2472

Monochromacy



Original Color

13.9382, 0.2617, 0.1677

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

13.7852, 0.2926, 0.2531

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.9382, 0.2617, 0.1677 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(138, 75, 185)` looks like.

```
.text, #text, p{  
    color:rgb(138, 75, 185)  
}
```

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(138, 75, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 75, 185) }
```

Border

The CSS property to change the border of an element to Yxy 13.9382, 0.2617, 0.1677 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(138, 75, 185) }
```

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

```
.border{ border-color:rgb(138, 75, 185) }
```

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

Here you see how a box with a 4 pixel rgb(138, 75, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 75, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 75, 185);  
box-shadow:4px 4px 4px 4px rgb(138, 75,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 13.9382, 0.2617, 0.1677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 75, 185) }
```

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

```
.background{ background-color: rgb(138, 75,  
185) }
```

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