

Converting Colors

$Y_{xy}(14.1682, 0.2593, 0.1674)$

Have a look what the booklet for
Yxy(14.1682, 0.2593, 0.1674)
contains.

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Color

Yxy(14.2140, 0.2589, 0.1677)

Conversions

Conversions Part 1

Format	Color
Hex	894DBB
RGB	137, 77, 187
RGB Percent	54%, 30%, 73%
CMY	0.4626, 0.6981, 0.2667
CMYK	0.27, 0.59, 0.00, 0.27
HSL	273°, 45%, 52%
HSV	273°, 59%, 73%
XYZ	21.9440, 14.2140, 48.6005
YIQ	107.4800, 0.4500, 46.9300

Conversions

Conversions Part 2

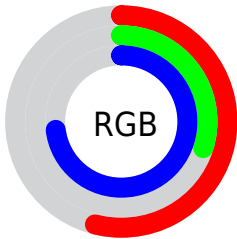
Format	Color
R _{YB}	137, 77, 187
Decimal	8998331
CIE Lab	44.54, 45.79, -48.47
CIE LCh	45, 66.682, 313.373
Yxy	14.2140, 0.2589, 0.1677
Android (android.graphics.Color)	4287188411 (0xFF894DBB)
YUV	107.4800, 39.2034, 25.8890
Hunter-Lab	37.7015, 37.9176, -50.0390

Details

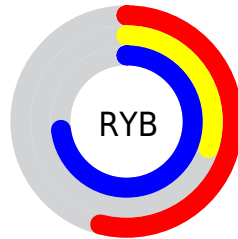
The Yxy color **14.2140, 0.2589, 0.1677** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **40.5843, 0.3404, 0.4960**, and the grayscale version is **14.7320, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.5696, 0.2726, 0.1982**, and **4.2712, 0.2333, 0.1219** is the 20% darker color. If you saturate the color by 10%, you get **11.2739, 0.2468, 0.1429**, and if you desaturate by 10%, it is **17.9637, 0.2705, 0.1952**.

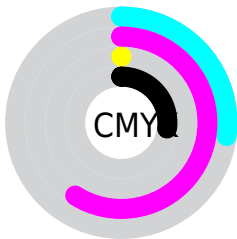
Distribution



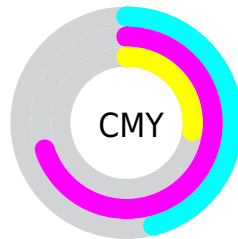
- Red (54%)
- Green (30%)
- Blue (73%)



- Red (54%)
- Yellow (30%)
- Blue (73%)



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





- Cyan (46%)
- Magenta (70%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.2140, 0.2589, 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 14.2140, 0.2589, 0.1677 by changing the saturation by 10% instead.


 14.2140, 0.2589,
0.1677


 14.2140, 0.2589,
0.1677


218.5581, 0.2926,
0.2509


 8.2697, 0.2482,
0.1473


 33.4683, 0.2729,
0.1980


 4.2680, 0.2330,
0.1220


 47.5470, 0.2776,
0.2094

 1.8246, 0.2108,
0.0906

 65.1059, 0.2814,
0.2190

 0.5024, 0.1776,
0.0484

 86.5295, 0.2844,
0.2272

 0.0000, 0.1188,
0.0000

 112.2021, 0.2870,
0.2344

 0.0000, 0.0000,
0.0000

142.5082, 0.2892,

0.2406

177.8320, 0.2910,
0.2460

■ 14.2140, 0.2589,
0.1677

■ 14.2140, 0.2589,
0.1677

■ 11.2739, 0.2468,
0.1429

■ 17.9637, 0.2705,
0.1952

■ 9.0741, 0.2348,
0.1220

■ 22.5811, 0.2813,
0.2240

■ 7.5356, 0.2233,
0.1061

■ 28.1209, 0.2910,
0.2528

■ 6.5226, 0.2127,
0.0951

■ 34.6326, 0.2996,
0.2808

■ 6.4169, 0.2115,
0.0939

■ 42.1620, 0.3071,
0.3072

■ 50.7521, 0.3134,
0.3318

■ 60.4434, 0.3187,
0.3542

■ 71.2741, 0.3232,
0.3745

■ 83.2806, 0.3268,
0.3928

Harmonies

Analogous

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



14.2140, 0.1668, 0.1477



14.2140, 0.2589, 0.1677



14.2140, 0.3956, 0.2157

Triad

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



14.2140, 0.2589, 0.1677



14.2140, 0.5248, 0.4468



14.2140, 0.1322, 0.3279

Complementary

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



14.2140, 0.2589, 0.1677



40.5843, 0.3404, 0.4960

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.



14.2140, 0.2043, 0.4991



14.2140, 0.2589, 0.1677



14.2140, 0.4279, 0.5404

Square

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



14.2140, 0.2589, 0.1677



14.2140, 0.5706, 0.3601



14.2140, 0.3134, 0.5882



14.2140, 0.1079, 0.2103

Rectangle

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



14.2140, 0.2589, 0.1677



14.2140, 0.4881, 0.2598



14.2140, 0.3134, 0.5882



14.2140, 0.1506, 0.3833

Sweetspot

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



14.2145, 0.2589, 0.1677



62.7097, 0.3001, 0.2823



20.6880, 0.2188, 0.2287



13.0107, 0.2977, 0.2742



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.



14.2145, 0.2589, 0.1677



18.7448, 0.2428, 0.1354



19.3030, 0.3235, 0.1968



9.4750, 0.3067, 0.3059



4.4646, 0.2127, 0.0945



0.2133, 0.2380, 0.1085

Inverse Universe

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



17.4011, 0.4064, 0.2622



25.4832, 0.4405, 0.2535



37.7066, 0.3021, 0.5107



9.6065, 0.3219, 0.3186



7.7446, 0.5126, 0.2598



0.3166, 0.4551, 0.2281

Previews

White Background



This preview shows how the Yxy color 14.2140, 0.2589, 0.1677 looks on a white background.

Color Contrast Check

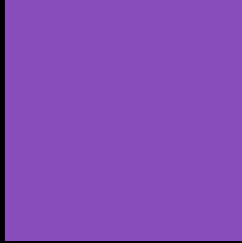
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.2140, 0.2589, 0.1677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

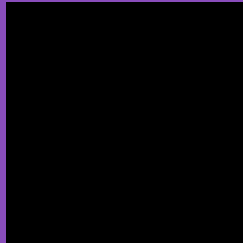
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.2140, 0.2589, 0.1677

Background



This preview shows how black text looks on a background with the Yxy color 14.2140, 0.2589, 0.1677.



This preview shows how white text looks on a background with the Yxy color 14.2140, 0.2589, 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

14.2140, 0.2589, 0.1677

Protanopia

14.5399, 0.1782, 0.1505

Deuteranopia

14.5046, 0.1979, 0.1931



Tritanopia

14.1962, 0.3372, 0.3132

Trichromacy



Original Color

14.2140, 0.2589, 0.1677



Protanomaly

13.3816, 0.1918, 0.1498



Deuteranomaly

13.5340, 0.2115, 0.1776



Tritanomaly

13.8489, 0.3051, 0.2473

Monochromacy



Original Color

14.2140, 0.2589, 0.1677



Achromatopsia

14.7027, 0.3127, 0.3290



Achromatomaly

13.9949, 0.2914, 0.2534

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.2140, 0.2589, 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(137, 77, 187)` looks like.

```
.text, #text, p{  
    color:rgb(137, 77, 187)  
}
```

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(137, 77, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 77, 187) }
```

Border

The CSS property to change the border of an element to Yxy 14.2140, 0.2589, 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(137, 77, 187) }
```

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

```
.border{ border-color:rgb(137, 77, 187) }
```

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

Here you see how a box with a 4 pixel rgb(137, 77, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 77, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 77, 187);  
box-shadow:4px 4px 4px 4px rgb(137, 77,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 14.2140, 0.2589, 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(137, 77, 187) }
```

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

```
.background{ background-color: rgb(137, 77,  
187) }
```

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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