

Converting Colors

$Y_{xy}(14.1835, 0.2839, 0.2029)$

Have a look what the booklet for
Yxy(14.1835, 0.2839, 0.2029)
contains.

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Color

Yxy(14.1835, 0.2839, 0.2029)

Conversions

Conversions Part 1

Format	Color
Hex	8854A2
RGB	136, 84, 162
RGB Percent	53%, 33%, 64%
CMY	0.4666, 0.6706, 0.3647
CMYK	0.16, 0.48, 0.00, 0.36
HSL	280°, 32%, 48%
HSV	280°, 48%, 64%
XYZ	19.8457, 14.1835, 35.8747
YIQ	108.4400, 5.9540, 35.2820

Conversions

Conversions Part 2

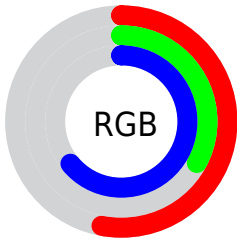
Format	Color
R_{YB}	136, 84, 162
Decimal	8934562
CIE _{Lab}	44.49, 35.87, -33.83
CIE _{LCh}	44, 49.312, 316.676
Yxy	14.1835, 0.2839, 0.2029
Android (android.graphics.Color)	4287124642 (0xFF8854A2)
YUV	108.4400, 26.4051, 24.1701
Hunter-Lab	37.6610, 28.1551, -30.1151

Details

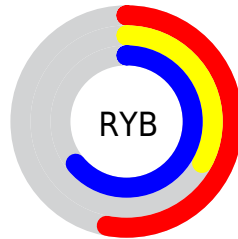
The Yxy color **14.1835, 0.2839, 0.2029** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **29.7962, 0.3285, 0.4672**, and the grayscale version is **15.0497, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.4141, 0.2924, 0.2290**, and **4.2724, 0.2672, 0.1608** is the 20% darker color. If you saturate the color by 10%, you get **11.5127, 0.2756, 0.1775**, and if you desaturate by 10%, it is **17.4598, 0.2915, 0.2297**.

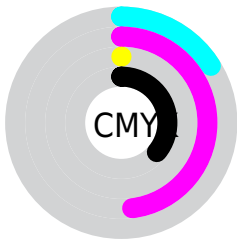
Distribution



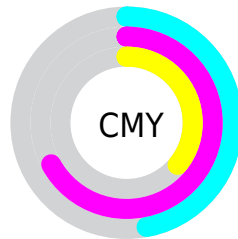
- Red (53%)
- Green (33%)
- Blue (64%)



- Red (53%)
- Yellow (33%)
- Blue (64%)



- Cyan (16%)
- Magenta (48%)
- Yellow (0%)
- Black (36%)





- Cyan (47%)
- Magenta (67%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.1835, 0.2839, 0.2029 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 14.1835, 0.2839, 0.2029 by changing the saturation by 10% instead.


 14.1835, 0.2839,
0.2029


 14.1835, 0.2839,
0.2029


218.3694, 0.3027,
0.2710


 8.2484, 0.2773,
0.1846


 33.4143, 0.2921,
0.2287


 4.2543, 0.2674,
0.1606


 47.4787, 0.2947,
0.2381


 1.8168, 0.2515,
0.1283

 65.0218, 0.2968,
0.2459

 0.4976, 0.2256,
0.0770

 86.4278, 0.2984,
0.2525

 0.0000, 0.1346,
0.0000

 112.0811, 0.2998,
0.2582

 0.0000, 0.0000,
0.0000

142.3663, 0.3010,

0.2630

177.6676, 0.3019,
0.2673

■ 14.1835, 0.2839,
0.2029

■ 14.1835, 0.2839,
0.2029

■ 11.5127, 0.2756,
0.1775

■ 17.4598, 0.2915,
0.2297

■ 9.4047, 0.2669,
0.1548

■ 21.3770, 0.2982,
0.2570

■ 7.8137, 0.2580,
0.1357

■ 25.9697, 0.3041,
0.2837

■ 6.6860, 0.2492,
0.1212

■ 31.2696, 0.3092,
0.3093

■ 5.9255, 0.2407,
0.1109

■ 37.3062, 0.3134,
0.3333

■ 5.7974, 0.2391,
0.1091

■ 44.1074, 0.3170,
0.3556

■ 51.6997, 0.3199,
0.3759

■ 60.1081, 0.3222,
0.3944

■ 69.3567, 0.3241,
0.4111

Harmonies

Analogous

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



14.1835, 0.2042, 0.1834



14.1835, 0.2839, 0.2029



14.1835, 0.3883, 0.2461

Triad

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



14.1835, 0.2839, 0.2029



14.1835, 0.4798, 0.4441



14.1835, 0.1674, 0.3209

Complementary

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



14.1835, 0.2839, 0.2029



29.7962, 0.3285, 0.4672

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.



14.1835, 0.2258, 0.4373



14.1835, 0.2839, 0.2029



14.1835, 0.4056, 0.5045

Square

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



14.1835, 0.2839, 0.2029



14.1835, 0.5118, 0.3734



14.1835, 0.3134, 0.5140



14.1835, 0.1467, 0.2342

Rectangle

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



14.1835, 0.2839, 0.2029



14.1835, 0.4536, 0.2847



14.1835, 0.3134, 0.5140



14.1835, 0.1827, 0.3587

Sweetspot

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



14.1841, 0.2839, 0.2029



50.7246, 0.3062, 0.2938



15.6456, 0.2325, 0.2309



10.9591, 0.3051, 0.2884



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



14.1841, 0.2839, 0.2029



20.4911, 0.2748, 0.1752



16.1923, 0.3356, 0.2313



7.0834, 0.3087, 0.3065



4.5914, 0.2398, 0.1095



0.1206, 0.2705, 0.1264

Inverse Universe

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



15.1480, 0.3970, 0.2879



22.6786, 0.4280, 0.2803



28.5892, 0.2966, 0.4526



7.1231, 0.3235, 0.3215



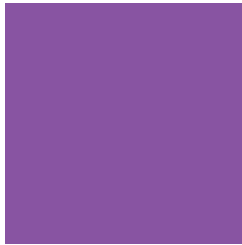
6.2687, 0.5593, 0.2855



0.1402, 0.4634, 0.2326

Previews

White Background



This preview shows how the Yxy color 14.1835, 0.2839, 0.2029 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 14.1835, 0.2839, 0.2029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

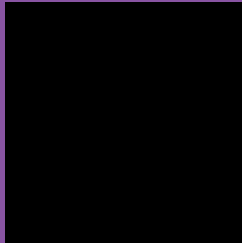
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.1835, 0.2839, 0.2029

Background



This preview shows how black text looks on a background with the Yxy color 14.1835, 0.2839, 0.2029.



This preview shows how white text looks on a background with the Yxy color 14.1835, 0.2839, 0.2029.

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

14.1835, 0.2839, 0.2029

Protanopia

14.3716, 0.2106, 0.1924

Deuteranopia

14.3656, 0.2319, 0.2265



Tritanopia

14.0813, 0.3468, 0.3135

Trichromacy



Original Color

14.1835, 0.2839, 0.2029

Protanomaly

13.8697, 0.2306, 0.1933

Deuteranomaly

13.8774, 0.2482, 0.2151

Tritanomaly

13.9065, 0.3216, 0.2662

Monochromacy



Original Color

14.1835, 0.2839, 0.2029

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

14.3337, 0.3014, 0.2729

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.1835, 0.2839, 0.2029 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(136, 84, 162)` looks like.

```
.text, #text, p{  
    color:rgb(136, 84, 162)  
}
```

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(136, 84, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 84, 162) }
```

Border

The CSS property to change the border of an element to Yxy 14.1835, 0.2839, 0.2029 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(136, 84, 162) }
```

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

```
.border{ border-color:rgb(136, 84, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 84, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 84, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 84, 162);  
box-shadow:4px 4px 4px 4px rgb(136, 84,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 14.1835, 0.2839, 0.2029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 84, 162) }
```

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

```
.background{ background-color: rgb(136, 84,  
162) }
```

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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