

Converting Colors

$Y_{xy}(14.4910, 0.4129, 0.2340)$

Have a look what the booklet for
Yxy(14.4910, 0.4129, 0.2340)
contains.

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Color

Yxy(14.4910, 0.4129, 0.2340)

Conversions

Conversions Part 1

Format	Color
Hex	BB3380
RGB	187, 51, 128
RGB Percent	73%, 20%, 50%
CMY	0.2667, 0.7999, 0.4981
CMYK	0.00, 0.73, 0.32, 0.27
HSL	326°, 57%, 47%
HSV	326°, 73%, 73%
XYZ	25.5698, 14.4910, 21.8665
YIQ	100.4420, 56.3390, 52.7790

Conversions

Conversions Part 2

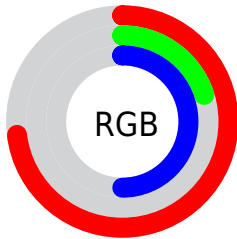
Format	Color
R_{YB}	187, 51, 128
Decimal	12268416
CIE _{Lab}	44.93, 60.15, -12.07
CIE _{LCh}	45, 61.349, 348.652
Yxy	14.4910, 0.4129, 0.2340
Android (android.graphics.Color)	4290458496 (0xFFBB3380)
YUV	100.4420, 13.5861, 75.9114
Hunter-Lab	38.0670, 53.2819, -7.4105

Details

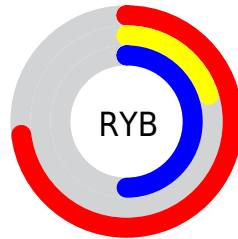
The Yxy color **14.4910, 0.4129, 0.2340** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **37.3648, 0.2739, 0.4663**, and the grayscale version is **12.8205, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.0476, 0.3900, 0.2546**, and **5.2316, 0.4443, 0.2221** is the 20% darker color. If you saturate the color by 10%, you get **12.9670, 0.4333, 0.2303**, and if you desaturate by 10%, it is **16.6905, 0.3934, 0.2421**.

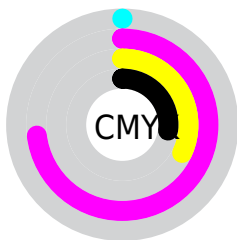
Distribution



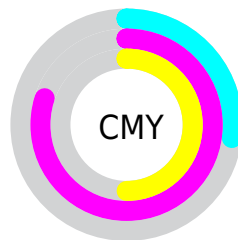
- Red (73%)
- Green (20%)
- Blue (50%)



- Red (73%)
- Yellow (20%)
- Blue (50%)



- Cyan (0%)
- Magenta (73%)
- Yellow (32%)
- Black (27%)





- Cyan (27%)
- Magenta (80%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.4910, 0.4129, 0.2340 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 14.4910, 0.4129, 0.2340 by changing the saturation by 10% instead.


 14.4910, 0.4129,
0.2340


 14.4910, 0.4129,
0.2340


220.2643, 0.3554,
0.2868


 8.4629, 0.4303,
0.2189


 33.9577, 0.3899,
0.2546

 4.3926, 0.4547,
0.1984


 48.1652, 0.3820,
0.2619


 1.8955, 0.4912,
0.1691

 65.8679, 0.3755,
0.2679

 0.5457, 0.5558,
0.1173

 87.4503, 0.3701,
0.2729

 0.0000, 0.8013,
0.0000

 113.2968, 0.3656,
0.2772

 0.0000, 0.0000,
0.0000

143.7916, 0.3617,

0.2808

179.3194, 0.3583,
0.2840

■ 14.4910, 0.4129,
0.2340

■ 14.4910, 0.4129,
0.2340

■ 12.9670, 0.4333,
0.2303

■ 16.6905, 0.3934,
0.2421

■ 12.0316, 0.4536,
0.2317

■ 19.6339, 0.3754,
0.2536

■ 11.5999, 0.4682,
0.2353

■ 23.3836, 0.3593,
0.2671

■ 27.9949, 0.3453,
0.2817

■ 33.5180, 0.3333,
0.2967

■ 39.9993, 0.3232,
0.3113

■ 47.4821, 0.3148,
0.3253

■ 56.0069, 0.3077,
0.3385

■ 65.6121, 0.3018,
0.3508

Harmonies

Analogous

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



14.4910, 0.2836, 0.1838



14.4910, 0.4129, 0.2340



14.4910, 0.5220, 0.3015

Triad

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



14.4910, 0.4129, 0.2340



14.4910, 0.4070, 0.5405



14.4910, 0.1194, 0.2077

Complementary

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



14.4910, 0.4129, 0.2340



37.3648, 0.2739, 0.4663

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.



14.4910, 0.1373, 0.3059



14.4910, 0.4129, 0.2340



14.4910, 0.2986, 0.5601

Square

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



14.4910, 0.4129, 0.2340



14.4910, 0.5006, 0.4603



14.4910, 0.1988, 0.4565



14.4910, 0.1362, 0.1650

Rectangle

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



14.4910, 0.4129, 0.2340



14.4910, 0.5513, 0.3508



14.4910, 0.1988, 0.4565



14.4910, 0.1212, 0.2333

Sweetspot

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



14.4918, 0.4129, 0.2340



60.4182, 0.3330, 0.2972



9.2697, 0.2247, 0.1257



12.6720, 0.3360, 0.2931



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.



14.4918, 0.4129, 0.2340



22.1548, 0.4449, 0.2304



13.2609, 0.5431, 0.3202



9.6244, 0.3202, 0.3161



8.0088, 0.4660, 0.2341



0.3266, 0.4223, 0.2100

Inverse Universe

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



14.4918, 0.4129, 0.2340



22.1548, 0.4449, 0.2304



39.4494, 0.2365, 0.3434



9.6244, 0.3202, 0.3161



8.0088, 0.4660, 0.2341



0.3266, 0.4223, 0.2100

Previews

White Background



This preview shows how the Yxy color 14.4910, 0.4129, 0.2340 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 14.4910, 0.4129, 0.2340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

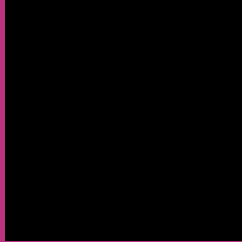
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.4910, 0.4129, 0.2340

Background



This preview shows how black text looks on a background with the Yxy color 14.4910, 0.4129, 0.2340.



This preview shows how white text looks on a background with the Yxy color 14.4910, 0.4129, 0.2340.

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

14.4910, 0.4129, 0.2340

Protanopia

14.7876, 0.2287, 0.2156

Deuteranopia

14.6606, 0.3007, 0.2947



Tritanopia

14.5365, 0.5063, 0.3246

Trichromacy



Original Color

14.4910, 0.4129, 0.2340

Protanomaly

12.9016, 0.2771, 0.2110

Deuteranomaly

13.4412, 0.3391, 0.2599

Tritanomaly

14.3005, 0.4738, 0.2899

Monochromacy



Original Color

14.4910, 0.4129, 0.2340

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.0659, 0.3513, 0.2762

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.4910, 0.4129, 0.2340 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(187, 51, 128)` looks like.

```
.text, #text, p{  
    color:rgb(187, 51, 128)  
}
```

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(187, 51, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 51, 128) }
```

Border

The CSS property to change the border of an element to Yxy 14.4910, 0.4129, 0.2340 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(187, 51, 128) }
```

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

```
.border{ border-color:rgb(187, 51, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 51, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 51, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 51, 128);  
box-shadow:4px 4px 4px 4px rgb(187, 51,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 14.4910, 0.4129, 0.2340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 51, 128) }
```

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

```
.background{ background-color: rgb(187, 51,  
128) }
```

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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