

Converting Colors

$Y_{xy}(11.4069, 0.4104, 0.2034)$

Have a look what the booklet for
Yxy(11.4069, 0.4104, 0.2034)
contains.

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Color

Yxy(11.4087, 0.4097, 0.2031)

Conversions

Conversions Part 1

Format	Color
Hex	B50081
RGB	181, 0, 129
RGB Percent	71%, 0%, 51%
CMY	0.2903, 0.9994, 0.4942
CMYK	0.00, 1.00, 0.29, 0.29
HSL	317°, 100%, 36%
HSV	317°, 100%, 71%
XYZ	23.0140, 11.4087, 21.7501
YIQ	68.8250, 66.4670, 78.4910

Conversions

Conversions Part 2

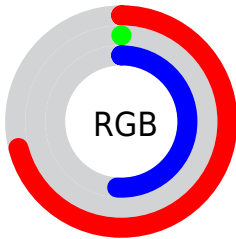
Format	Color
R_{YB}	181, 0, 129
Decimal	11862145
CIE _{Lab}	40.26, 69.14, -19.91
CIE _{LCh}	40, 71.949, 343.933
Yxy	11.4087, 0.4097, 0.2031
Android (android.graphics.Color)	4290052225 (0xFFB50081)
YUV	68.8250, 29.6663, 98.3775
Hunter-Lab	33.7768, 62.5127, -14.5353

Details

The Yxy color **11.4087, 0.4097, 0.2031** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **33.2906, 0.2895, 0.5621**, and the grayscale version is **5.8783, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.4188, 0.3877, 0.2301**, and **4.7901, 0.4290, 0.2137** is the 20% darker color. If you saturate the color by 10%, you get **11.4047, 0.4098, 0.2031**, and if you desaturate by 10%, it is **11.9888, 0.3980, 0.2023**.

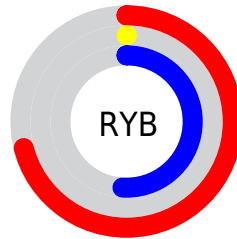
Distribution



Red (71%)

Green (0%)

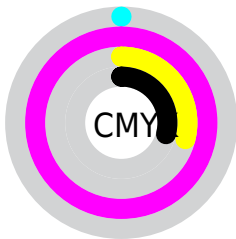
Blue (51%)



Red (71%)

Yellow (0%)

Blue (51%)

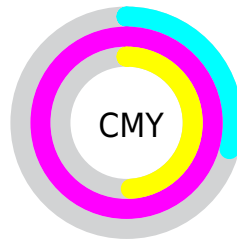


Cyan (0%)

Magenta (100%)

Yellow (29%)

Black (29%)



Cyan (29%)


Magenta (100%)

Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.4087, 0.4097, 0.2031 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 11.4087, 0.4097, 0.2031 by changing the saturation by 10% instead.


 11.4087, 0.4097,
0.2031


 11.4087, 0.4097,
0.2031


 200.4504, 0.3542,
0.2727


 6.3424, 0.4263,
0.1836


 28.4135, 0.3876,
0.2300


 3.0544, 0.4493,
0.1575


 41.1208, 0.3799,
0.2397


 1.1602, 0.4831,
0.1216

 57.1439, 0.3737,
0.2476

 0.0288, 0.5730,
0.0081

 76.8672, 0.3685,
0.2543

 0.0000, 0.7524,
0.0000

 100.6751, 0.3641,
0.2599

 0.0000, 0.0000,
0.0000

 128.9521, 0.3603,

0.2648

162.0823, 0.3571,
0.2690

■ 11.4087, 0.4097,
0.2031

■ 11.4087, 0.4097,
0.2031

■ 11.4047, 0.4098,
0.2031

■ 11.9888, 0.3980,
0.2023

■ 12.9803, 0.3861,
0.2055

■ 14.5339, 0.3741,
0.2134

■ 16.7232, 0.3625,
0.2254

■ 19.6104, 0.3516,
0.2404

■ 23.2502, 0.3416,
0.2574

■ 27.6919, 0.3328,
0.2755

■ 32.9807, 0.3250,
0.2938

■ 39.1581, 0.3184,
0.3119

Harmonies

Analogous

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



11.4087, 0.2526, 0.1516



11.4087, 0.4097, 0.2031



11.4087, 0.5588, 0.2752

Triad

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



11.4087, 0.4097, 0.2031



11.4087, 0.4321, 0.5679



11.4087, 0.0881, 0.1906

Complementary

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



11.4087, 0.4097, 0.2031



33.2906, 0.2895, 0.5621

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.



11.4087, 0.1098, 0.3199



11.4087, 0.4097, 0.2031



11.4087, 0.3001, 0.6305

Square

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



11.4087, 0.4097, 0.2031



11.4087, 0.5459, 0.4533



11.4087, 0.1834, 0.5280



11.4087, 0.1020, 0.1388

Rectangle

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



11.4087, 0.4097, 0.2031



11.4087, 0.6014, 0.3270



11.4087, 0.1834, 0.5280



11.4087, 0.0908, 0.2229

Sweetspot

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



11.4093, 0.4097, 0.2031



49.0973, 0.3333, 0.2744



4.0529, 0.1684, 0.0702



9.8678, 0.3368, 0.2669



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



11.4093, 0.4097, 0.2031



20.3890, 0.4116, 0.2041



9.9737, 0.6024, 0.3093



8.6042, 0.3180, 0.3129



7.8764, 0.4084, 0.2024



0.2573, 0.3789, 0.1861

Inverse Universe

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



11.4093, 0.4097, 0.2031



20.3890, 0.4116, 0.2041



34.9883, 0.2444, 0.3998



8.6042, 0.3180, 0.3129



7.8764, 0.4084, 0.2024



0.2573, 0.3789, 0.1861

Previews

White Background



This preview shows how the Yxy color 11.4087, 0.4097, 0.2031 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 11.4087, 0.4097, 0.2031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

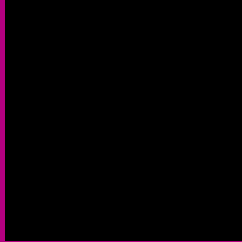
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.4087, 0.4097, 0.2031

Background



This preview shows how black text looks on a background with the Yxy color 11.4087, 0.4097, 0.2031.



This preview shows how white text looks on a background with the Yxy color 11.4087, 0.4097, 0.2031.

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

11.4087, 0.4097, 0.2031

Protanopia

12.2981, 0.1912, 0.1678

Deuteranopia

11.9734, 0.2798, 0.2745



Tritanopia

11.8548, 0.5450, 0.3275

Trichromacy



Original Color

11.4087, 0.4097, 0.2031



Protanomaly

8.5592, 0.2296, 0.1477



Deuteranomaly

9.2032, 0.3233, 0.2148



Tritanomaly

11.1468, 0.5047, 0.2759

Monochromacy



Original Color

11.4087, 0.4097, 0.2031



Achromatopsia

5.9511, 0.3127, 0.3290



Achromatomaly

5.8717, 0.3596, 0.2290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.4087, 0.4097, 0.2031 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(181, 0, 129)` looks like.

```
.text, #text, p{  
    color:rgb(181, 0, 129)  
}
```

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(181, 0, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 0, 129) }
```

Border

The CSS property to change the border of an element to Yxy 11.4087, 0.4097, 0.2031 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(181, 0, 129) }
```

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

```
.border{ border-color:rgb(181, 0, 129) }
```

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

Here you see how a box with a 4 pixel rgb(181, 0, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 0, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 0, 129);  
box-shadow:4px 4px 4px 4px rgb(181, 0,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 11.4087, 0.4097, 0.2031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 0, 129) }
```

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

```
.background{ background-color: rgb(181, 0,  
129) }
```

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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