

Converting Colors

$Y_{xy}(12.8412, 0.4138, 0.2053)$

Have a look what the booklet for
Yxy(12.8412, 0.4138, 0.2053)
contains.

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Color

Yxy(12.7976, 0.4143, 0.2056)

Conversions

Conversions Part 1

Format	Color
Hex	BF0086
RGB	191, 0, 134
RGB Percent	75%, 0%, 53%
CMY	0.2510, 0.9998, 0.4746
CMYK	0.00, 1.00, 0.30, 0.25
HSL	318°, 100%, 37%
HSV	318°, 100%, 75%
XYZ	25.7882, 12.7976, 23.6594
YIQ	72.3850, 70.8220, 82.1660

Conversions

Conversions Part 2

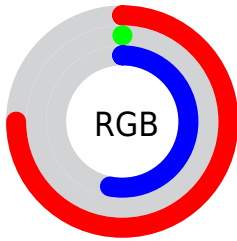
Format	Color
RYB	191, 0, 134
Decimal	12517510
CIELab	42.46, 71.72, -19.45
CIElCh	42, 74.313, 344.826
Yxy	12.7976, 0.4143, 0.2056
Android (android.graphics.Color)	4290707590 (0xFFBF0086)
YUV	72.3850, 30.3762, 104.0254
Hunter-Lab	35.7737, 66.0710, -14.1705

Details

The Yxy color **12.7976, 0.4143, 0.2056** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **37.5583, 0.2890, 0.5603**, and the grayscale version is **6.4924, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.9389, 0.3925, 0.2316**, and **5.5456, 0.4353, 0.2172** is the 20% darker color. If you saturate the color by 10%, you get **12.7969, 0.4143, 0.2056**, and if you desaturate by 10%, it is **13.4315, 0.4020, 0.2043**.

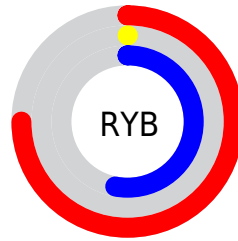
Distribution



Red (75%)

Green (0%)

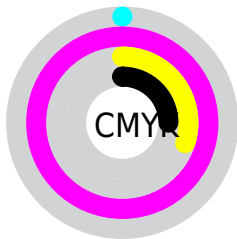
Blue (53%)



Red (75%)

Yellow (0%)

Blue (53%)

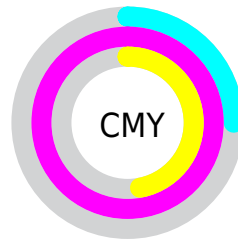


Cyan (0%)

Magenta (100%)

Yellow (30%)

Black (25%)



Cyan (25%)


Magenta (100%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.7976, 0.4143, 0.2056 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 12.7976, 0.4143, 0.2056 by changing the saturation by 10% instead.


 12.7976, 0.4143,
0.2056


 12.7976, 0.4143,
0.2056


209.6164, 0.3568,
0.2730


 7.2893, 0.4312,
0.1871


 30.9397, 0.3916,
0.2314


 3.6437, 0.4544,
0.1626


 44.3423, 0.3837,
0.2407

 1.4763, 0.4882,
0.1291


 61.1451, 0.3771,
0.2484

 0.2720, 0.5555,
0.0574

 81.7325, 0.3717,
0.2549

 0.0000, 0.6811,
0.0000

 106.4890, 0.3671,
0.2604

 0.0000, 0.0000,
0.0000

 135.7989, 0.3632,

0.2652

170.0465, 0.3598,
0.2693

■ 12.7976, 0.4143,
0.2056

■ 12.7976, 0.4143,
0.2056

■ 12.7969, 0.4143,
0.2056

■ 13.4315, 0.4020,
0.2043

■ 14.5350, 0.3894,
0.2071

■ 16.2747, 0.3768,
0.2147

■ 18.7347, 0.3646,
0.2264

■ 21.9865, 0.3532,
0.2412

■ 26.0926, 0.3428,
0.2581

■ 31.1095, 0.3336,
0.2760

■ 37.0888, 0.3255,
0.2941

■ 44.0780, 0.3186,
0.3119

Harmonies

Analogous

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



12.7976, 0.2569, 0.1533



12.7976, 0.4143, 0.2056



12.7976, 0.5605, 0.2779

Triad

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



12.7976, 0.4143, 0.2056



12.7976, 0.4271, 0.5687



12.7976, 0.0888, 0.1890

Complementary

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



12.7976, 0.4143, 0.2056



37.5583, 0.2890, 0.5603

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.



12.7976, 0.1093, 0.3149



12.7976, 0.4143, 0.2056



12.7976, 0.2970, 0.6287

Square

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



12.7976, 0.4143, 0.2056



12.7976, 0.5410, 0.4554



12.7976, 0.1812, 0.5208



12.7976, 0.1036, 0.1388

Rectangle

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



12.7976, 0.4143, 0.2056



12.7976, 0.6006, 0.3297



12.7976, 0.1812, 0.5208



12.7976, 0.0912, 0.2203

Sweetspot

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



12.7983, 0.4143, 0.2056



55.2274, 0.3340, 0.2750



4.5511, 0.1680, 0.0699



11.2480, 0.3378, 0.2673



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



12.7983, 0.4143, 0.2056



22.8741, 0.4161, 0.2066



11.2406, 0.6034, 0.3098



9.6464, 0.3182, 0.3130



8.4246, 0.4128, 0.2047



0.3410, 0.3859, 0.1899

Inverse Universe

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



12.7983, 0.4143, 0.2056



22.8741, 0.4161, 0.2066



39.4523, 0.2445, 0.4001



9.6464, 0.3182, 0.3130



8.4246, 0.4128, 0.2047



0.3410, 0.3859, 0.1899

Previews

White Background



This preview shows how the Yxy color 12.7976, 0.4143, 0.2056 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 12.7976, 0.4143, 0.2056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

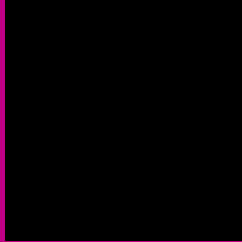
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.7976, 0.4143, 0.2056

Background



This preview shows how black text looks on a background with the Yxy color 12.7976, 0.4143, 0.2056.



This preview shows how white text looks on a background with the Yxy color 12.7976, 0.4143, 0.2056.

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

12.7976, 0.4143, 0.2056

Protanopia

13.6882, 0.1934, 0.1704

Deuteranopia

13.3617, 0.2824, 0.2769



Tritanopia

13.1363, 0.5479, 0.3276

Trichromacy



Original Color

12.7976, 0.4143, 0.2056



Protanomaly

9.5121, 0.2334, 0.1500



Deuteranomaly

10.2936, 0.3280, 0.2170



Tritanomaly

12.3489, 0.5083, 0.2769

Monochromacy



Original Color

12.7976, 0.4143, 0.2056



Achromatopsia

6.4803, 0.3127, 0.3290



Achromatomaly

6.4251, 0.3603, 0.2289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7976, 0.4143, 0.2056 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(191, 0, 134)` looks like.

```
.text, #text, p{  
    color:rgb(191, 0, 134)  
}
```

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(191, 0, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 0, 134) }
```

Border

The CSS property to change the border of an element to Yxy 12.7976, 0.4143, 0.2056 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(191, 0, 134) }
```

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

```
.border{ border-color:rgb(191, 0, 134) }
```

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

Here you see how a box with a 4 pixel rgb(191, 0, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 0, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 0, 134);  
box-shadow:4px 4px 4px 4px rgb(191, 0,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 12.7976, 0.4143, 0.2056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 0, 134) }
```

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

```
.background{ background-color: rgb(191, 0,  
134) }
```

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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