

Converting Colors

$Y_{xy}(13.0283, 0.4013, 0.1984)$

Have a look what the booklet for
Yxy(13.0283, 0.4013, 0.1984)
contains.

Yxy(12.9995, 0.4007, 0.1981)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(12.9995, 0.4007, 0.1981)

Conversions

Conversions Part 1

Format	Color
Hex	BF008D
RGB	191, 0, 141
RGB Percent	75%, 0%, 55%
CMY	0.2510, 0.9999, 0.4470
CMYK	0.00, 1.00, 0.26, 0.25
HSL	316°, 100%, 37%
HSV	316°, 100%, 75%
XYZ	26.2943, 12.9995, 26.3271
YIQ	73.1830, 68.5750, 84.3430

Conversions

Conversions Part 2

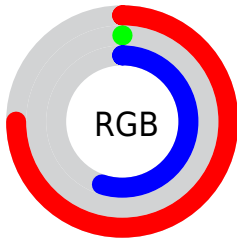
Format	Color
RYB	191, 0, 141
Decimal	12517517
CIELab	42.76, 72.51, -23.28
CIElCh	43, 76.155, 342.198
Yxy	12.9995, 0.4007, 0.1981
Android (android.graphics.Color)	4290707597 (0xFFBF008D)
YUV	73.1830, 33.4338, 103.3255
Hunter-Lab	36.0548, 67.0817, -18.0550

Details

The Yxy color **12.9995, 0.4007, 0.1981** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **37.4922, 0.2913, 0.5686**, and the grayscale version is **6.6298, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2658, 0.3811, 0.2246**, and **5.6609, 0.4154, 0.2062** is the 20% darker color. If you saturate the color by 10%, you get **12.9997, 0.4007, 0.1981**, and if you desaturate by 10%, it is **13.6218, 0.3903, 0.1976**.

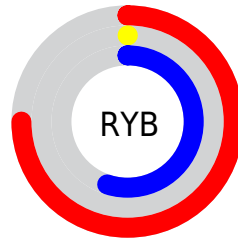
Distribution



Red (75%)

Green (0%)

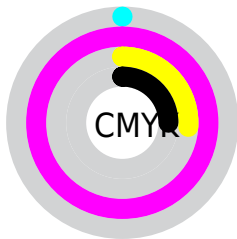
Blue (55%)



Red (75%)

Yellow (0%)

Blue (55%)

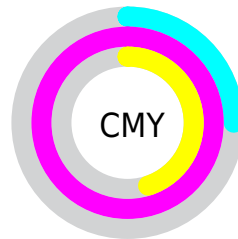


Cyan (0%)

Magenta (100%)

Yellow (26%)

Black (25%)



Cyan (25%)


Magenta (100%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9995, 0.4007, 0.1981 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 12.9995, 0.4007, 0.1981 by changing the saturation by 10% instead.


 12.9995, 0.4007,
0.1981


 12.9995, 0.4007,
0.1981


210.9145, 0.3520,
0.2685


 7.4282, 0.4145,
0.1792


 31.3029, 0.3818,
0.2248


 3.7313, 0.4330,
0.1545


 44.8038, 0.3751,
0.2345


 1.5244, 0.4592,
0.1214

 61.7166, 0.3695,
0.2425

 0.3058, 0.5088,
0.0567

 82.4259, 0.3649,
0.2494

 0.0000, 0.5745,
0.0000

 107.3159, 0.3609,
0.2552

 0.0000, 0.0000,
0.0000

 136.7710, 0.3575,

0.2603

171.1758, 0.3546,
0.2647

■ 12.9995, 0.4007,
0.1981

■ 12.9995, 0.4007,
0.1981

■ 12.9997, 0.4007,
0.1981

■ 13.6218, 0.3903,
0.1976

■ 14.7112, 0.3797,
0.2011

■ 16.4347, 0.3690,
0.2094

■ 18.8764, 0.3585,
0.2216

■ 22.1077, 0.3486,
0.2371

■ 26.1912, 0.3395,
0.2546

■ 31.1832, 0.3314,
0.2733

■ 37.1353, 0.3242,
0.2923

■ 44.0951, 0.3180,
0.3110

Harmonies

Analogous

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



12.9995, 0.2442, 0.1479



12.9995, 0.4007, 0.1981



12.9995, 0.5554, 0.2698

Triad

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



12.9995, 0.4007, 0.1981



12.9995, 0.4384, 0.5616



12.9995, 0.0865, 0.1939

Complementary

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



12.9995, 0.4007, 0.1981



37.4922, 0.2913, 0.5686

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.



12.9995, 0.1105, 0.3301



12.9995, 0.4007, 0.1981



12.9995, 0.3062, 0.6338

Square

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



12.9995, 0.4007, 0.1981



12.9995, 0.5514, 0.4456



12.9995, 0.1875, 0.5426



12.9995, 0.0987, 0.1387

Rectangle

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



12.9995, 0.4007, 0.1981



12.9995, 0.6031, 0.3215



12.9995, 0.1875, 0.5426



12.9995, 0.0898, 0.2281

Sweetspot

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



13.0002, 0.4007, 0.1981



55.3780, 0.3317, 0.2724



4.3846, 0.1643, 0.0679



11.2851, 0.3351, 0.2643



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.



13.0002, 0.4007, 0.1981



23.2405, 0.4022, 0.1989



11.2882, 0.5935, 0.3043



9.6525, 0.3176, 0.3122



8.5570, 0.3994, 0.1974



0.3454, 0.3767, 0.1849

Inverse Universe

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



13.0002, 0.4007, 0.1981



23.2405, 0.4022, 0.1989



39.2527, 0.2478, 0.4120



9.6525, 0.3176, 0.3122



8.5570, 0.3994, 0.1974



0.3454, 0.3767, 0.1849

Previews

White Background



This preview shows how the Yxy color 12.9995, 0.4007, 0.1981 looks on a white background.

Color Contrast Check

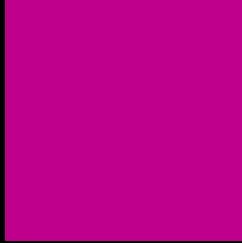
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.9995, 0.4007, 0.1981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

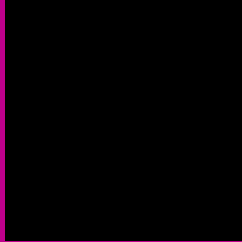
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.9995, 0.4007, 0.1981

Background



This preview shows how black text looks on a background with the Yxy color 12.9995, 0.4007, 0.1981.



This preview shows how white text looks on a background with the Yxy color 12.9995, 0.4007, 0.1981.

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

12.9995, 0.4007, 0.1981

Protanopia

13.8669, 0.1853, 0.1592

Deuteranopia

13.5700, 0.2709, 0.2653



Tritanopia

13.4481, 0.5403, 0.3275

Trichromacy



Original Color

12.9995, 0.4007, 0.1981



Protanomaly

9.4629, 0.2189, 0.1391



Deuteranomaly

10.3216, 0.3136, 0.2059



Tritanomaly

12.5311, 0.4990, 0.2732

Monochromacy



Original Color

12.9995, 0.4007, 0.1981



Achromatopsia

6.6626, 0.3127, 0.3290



Achromatomaly

6.5488, 0.3556, 0.2242

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9995, 0.4007, 0.1981 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, 141)` looks like.

```
.text, #text, p{  
    color:rgb(191, 0, 141)  
}
```

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, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 0, 141) }
```

Border

The CSS property to change the border of an element to Yxy 12.9995, 0.4007, 0.1981 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, 141) }
```

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

```
.border{ border-color:rgb(191, 0, 141) }
```

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, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 0, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 0, 141);  
box-shadow:4px 4px 4px 4px rgb(191, 0,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9995, 0.4007, 0.1981 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, 141) }
```

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

```
.background{ background-color: rgb(191, 0,  
141) }
```

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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