

Converting Colors

$Y_{xy}(13.1532, 0.3936, 0.1942)$

Have a look what the booklet for
Yxy(13.1532, 0.3936, 0.1942)
contains.

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Color

Yxy(13.1207, 0.3932, 0.1940)

Conversions

Conversions Part 1

Format	Color
Hex	BF0091
RGB	191, 0, 145
RGB Percent	75%, 0%, 57%
CMY	0.2511, 0.9994, 0.4314
CMYK	0.00, 1.00, 0.24, 0.25
HSL	314°, 100%, 37%
HSV	314°, 100%, 75%
XYZ	26.5931, 13.1207, 27.9187
YIQ	73.6390, 67.2910, 85.5870

Conversions

Conversions Part 2

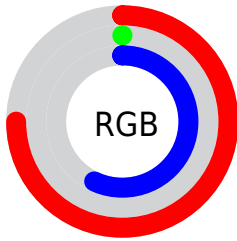
Format	Color
R_{YB}	191, 0, 145
Decimal	12517521
CIE _{Lab}	42.94, 72.95, -25.43
CIE _{LCh}	43, 77.259, 340.782
Yxy	13.1207, 0.3932, 0.1940
Android (android.graphics.Color)	4290707601 (0xFFBF0091)
YUV	73.6390, 35.1810, 102.9256
Hunter-Lab	36.2225, 67.6580, -20.3423

Details

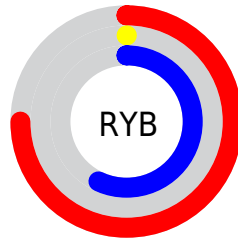
The Yxy color **13.1207, 0.3932, 0.1940** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **37.4526, 0.2924, 0.5727**, and the grayscale version is **6.7233, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.4491, 0.3761, 0.2211**, and **5.7137, 0.4071, 0.2017** is the 20% darker color. If you saturate the color by 10%, you get **13.1172, 0.3933, 0.1940**, and if you desaturate by 10%, it is **13.7371, 0.3839, 0.1939**.

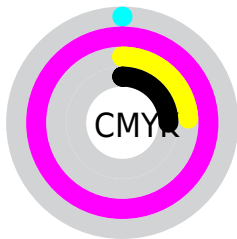
Distribution



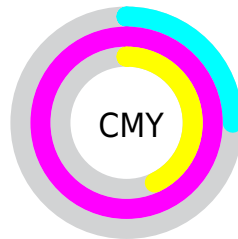
- Red (75%)
- Green (0%)
- Blue (57%)



- Red (75%)
- Yellow (0%)
- Blue (57%)



- Cyan (0%)
- Magenta (100%)
- Yellow (24%)
- Black (25%)





- Cyan (25%)
- Magenta (100%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1207, 0.3932, 0.1940 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 13.1207, 0.3932, 0.1940 by changing the saturation by 10% instead.


 13.1207, 0.3932,
0.1940


 13.1207, 0.3932,
0.1940


211.6898, 0.3493,
0.2661


 7.5117, 0.4053,
0.1749


 31.5205, 0.3764,
0.2211


 3.7841, 0.4214,
0.1502


 45.0800, 0.3703,
0.2310

 1.5536, 0.4435,
0.1173

 62.0586, 0.3653,
0.2393

 0.3260, 0.4841,
0.0562

 82.8405, 0.3611,
0.2463

 0.0000, 0.5320,
0.0000

 107.8102, 0.3575,
0.2523

 0.0000, 0.0000,
0.0000

 137.3520, 0.3544,

0.2575

171.8504, 0.3517,
0.2621

■ 13.1207, 0.3932,
0.1940

■ 13.1207, 0.3932,
0.1940

■ 13.1172, 0.3933,
0.1940

■ 13.7371, 0.3839,
0.1939

■ 14.8219, 0.3743,
0.1979

■ 16.5402, 0.3646,
0.2065

■ 18.9761, 0.3550,
0.2191

■ 22.2007, 0.3460,
0.2349

■ 26.2767, 0.3376,
0.2528

■ 31.2604, 0.3301,
0.2720

■ 37.2031, 0.3234,
0.2915

■ 44.1524, 0.3176,
0.3107

Harmonies

Analogous

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



13.1207, 0.2374, 0.1450



13.1207, 0.3932, 0.1940



13.1207, 0.5524, 0.2653

Triad

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



13.1207, 0.3932, 0.1940



13.1207, 0.4436, 0.5564



13.1207, 0.0853, 0.1967

Complementary

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



13.1207, 0.3932, 0.1940



37.4526, 0.2924, 0.5727

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.



13.1207, 0.1111, 0.3389



13.1207, 0.3932, 0.1940



13.1207, 0.3111, 0.6360

Square

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



13.1207, 0.3932, 0.1940



13.1207, 0.5572, 0.4403



13.1207, 0.1909, 0.5546



13.1207, 0.0960, 0.1387

Rectangle

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



13.1207, 0.3932, 0.1940



13.1207, 0.6044, 0.3169



13.1207, 0.1909, 0.5546



13.1207, 0.0891, 0.2325

Sweetspot

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



13.1214, 0.3932, 0.1940



55.4641, 0.3305, 0.2709



4.3144, 0.1627, 0.0671



11.3063, 0.3336, 0.2627



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.



13.1214, 0.3932, 0.1940



23.4580, 0.3946, 0.1948



11.3164, 0.5880, 0.3013



9.6559, 0.3173, 0.3117



8.6355, 0.3921, 0.1934



0.3479, 0.3717, 0.1821

Inverse Universe

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



13.1214, 0.3932, 0.1940



23.4580, 0.3946, 0.1948



39.1505, 0.2494, 0.4179



9.6559, 0.3173, 0.3117



8.6355, 0.3921, 0.1934



0.3479, 0.3717, 0.1821

Previews

White Background



This preview shows how the Yxy color 13.1207, 0.3932, 0.1940 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 13.1207, 0.3932, 0.1940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

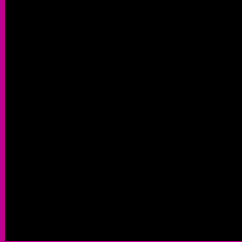
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.1207, 0.3932, 0.1940

Background



This preview shows how black text looks on a background with the Yxy color 13.1207, 0.3932, 0.1940.



This preview shows how white text looks on a background with the Yxy color 13.1207, 0.3932, 0.1940.

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

13.1207, 0.3932, 0.1940

Protanopia

13.9279, 0.1810, 0.1538

Deuteranopia

13.8217, 0.2657, 0.2600



Tritanopia

13.4428, 0.5351, 0.3263

Trichromacy



Original Color

13.1207, 0.3932, 0.1940



Protanomaly

9.4028, 0.2108, 0.1330



Deuteranomaly

10.4700, 0.3060, 0.2014



Tritanomaly

12.5819, 0.4927, 0.2694

Monochromacy



Original Color

13.1207, 0.3932, 0.1940



Achromatopsia

6.8478, 0.3127, 0.3290



Achromatomaly

6.7350, 0.3529, 0.2231

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1207, 0.3932, 0.1940 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, 145)` looks like.

```
.text, #text, p{  
    color:rgb(191, 0, 145)  
}
```

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, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 0, 145) }
```

Border

The CSS property to change the border of an element to Yxy 13.1207, 0.3932, 0.1940 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, 145) }
```

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

```
.border{ border-color:rgb(191, 0, 145) }
```

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, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 0, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 0, 145);  
box-shadow:4px 4px 4px 4px rgb(191, 0,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 13.1207, 0.3932, 0.1940 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, 145) }
```

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

```
.background{ background-color: rgb(191, 0,  
145) }
```

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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