

Converting Colors

$Y_{xy}(13.1960, 0.4025, 0.2046)$

Have a look what the booklet for
Yxy(13.1960, 0.4025, 0.2046)
contains.

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Color

Yxy(13.2479, 0.4038, 0.2053)

Conversions

Conversions Part 1

Format	Color
Hex	BE138A
RGB	190, 19, 138
RGB Percent	75%, 7%, 54%
CMY	0.2549, 0.9255, 0.4589
CMYK	0.00, 0.90, 0.27, 0.25
HSL	318°, 82%, 41%
HSV	318°, 90%, 75%
XYZ	26.0570, 13.2479, 25.2246
YIQ	83.6950, 63.7170, 73.2610

Conversions

Conversions Part 2

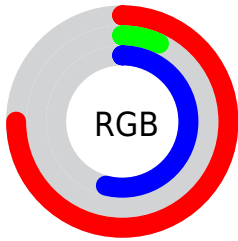
Format	Color
R_{YB}	190, 19, 138
Decimal	12456842
CIE _{Lab}	43.13, 69.92, -20.88
CIE _{LCh}	43, 72.973, 343.375
Yxy	13.2479, 0.4038, 0.2053
Android (android.graphics.Color)	4290646922 (0xFFBE138A)
YUV	83.6950, 26.7724, 93.2295
Hunter-Lab	36.3977, 64.0918, -15.6112

Details

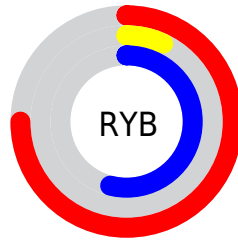
The Yxy color **13.2479, 0.4038, 0.2053** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **37.4252, 0.2857, 0.5394**, and the grayscale version is **8.7326, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7841, 0.3830, 0.2307**, and **5.6101, 0.4238, 0.2108** is the 20% darker color. If you saturate the color by 10%, you get **12.6204, 0.4164, 0.2068**, and if you desaturate by 10%, it is **14.3407, 0.3909, 0.2080**.

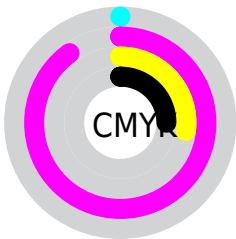
Distribution



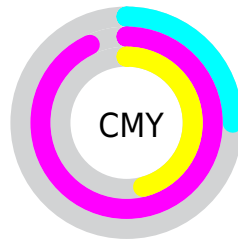
- Red (75%)
- Green (7%)
- Blue (54%)



- Red (75%)
- Yellow (7%)
- Blue (54%)



- Cyan (0%)
- Magenta (90%)
- Yellow (27%)
- Black (25%)





- Cyan (25%)
- Magenta (93%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2479, 0.4038, 0.2053 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 13.2479, 0.4038, 0.2053 by changing the saturation by 10% instead.


 13.2479, 0.4038,
0.2053


 13.2479, 0.4038,
0.2053


212.5004, 0.3529,
0.2723


 7.5995, 0.4185,
0.1871


 31.7484, 0.3839,
0.2308


 3.8397, 0.4385,
0.1630


 45.3693, 0.3768,
0.2401

 1.5843, 0.4672,
0.1303

 62.4165, 0.3710,
0.2478

 0.3470, 0.5210,
0.0672

 83.2744, 0.3662,
0.2542

 0.0000, 0.6110,
0.0000

 108.3273, 0.3621,
0.2598

 0.0000, 0.0000,
0.0000

 137.9596, 0.3586,

0.2645

172.5559, 0.3555,
0.2687

■ 13.2479, 0.4038,
0.2053

■ 13.2479, 0.4038,
0.2053

■ 12.6204, 0.4164,
0.2068

■ 14.3407, 0.3909,
0.2080

■ 16.0613, 0.3781,
0.2156

■ 18.4938, 0.3656,
0.2272

■ 21.7086, 0.3539,
0.2418

■ 25.7675, 0.3434,
0.2585

■ 30.7263, 0.3339,
0.2763

■ 36.6359, 0.3257,
0.2943

■ 43.5433, 0.3187,
0.3120

■ 51.4924, 0.3127,
0.3290

Harmonies

Analogous

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



13.2479, 0.2523, 0.1549



13.2479, 0.4038, 0.2053



13.2479, 0.5489, 0.2763

Triad

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



13.2479, 0.4038, 0.2053



13.2479, 0.4319, 0.5581



13.2479, 0.0928, 0.1967

Complementary

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



13.2479, 0.4038, 0.2053



37.4252, 0.2857, 0.5394

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.



13.2479, 0.1159, 0.3246



13.2479, 0.4038, 0.2053



13.2479, 0.3055, 0.6199

Square

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



13.2479, 0.4038, 0.2053



13.2479, 0.5405, 0.4490



13.2479, 0.1901, 0.5233



13.2479, 0.1058, 0.1438

Rectangle

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



13.2479, 0.4038, 0.2053



13.2479, 0.5927, 0.3278



13.2479, 0.1901, 0.5233



13.2479, 0.0959, 0.2290

Sweetspot

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



13.2486, 0.4038, 0.2053



58.2572, 0.3317, 0.2809



5.4966, 0.1810, 0.0824



12.0353, 0.3347, 0.2747



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.



13.2486, 0.4038, 0.2053



22.8207, 0.4183, 0.2078



11.6727, 0.5780, 0.3050



9.6455, 0.3183, 0.3132



8.4052, 0.4148, 0.2059



0.3404, 0.3873, 0.1907

Inverse Universe

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



13.2486, 0.4038, 0.2053



22.8207, 0.4183, 0.2078



39.3639, 0.2426, 0.3871



9.6455, 0.3183, 0.3132



8.4052, 0.4148, 0.2059



0.3404, 0.3873, 0.1907

Previews

White Background



This preview shows how the Yxy color 13.2479, 0.4038, 0.2053 looks on a white background.

Color Contrast Check

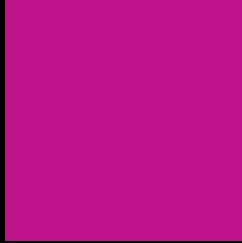
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.2479, 0.4038, 0.2053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

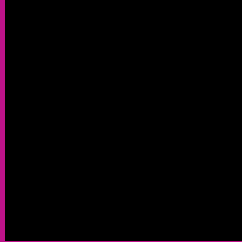
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.2479, 0.4038, 0.2053

Background



This preview shows how black text looks on a background with the Yxy color 13.2479, 0.4038, 0.2053.



This preview shows how white text looks on a background with the Yxy color 13.2479, 0.4038, 0.2053.

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

13.2479, 0.4038, 0.2053

Protanopia

13.7663, 0.1913, 0.1671

Deuteranopia

13.6017, 0.2767, 0.2713



Tritanopia

13.3345, 0.5377, 0.3264

Trichromacy



Original Color

13.2479, 0.4038, 0.2053



Protanomaly

10.4460, 0.2305, 0.1555



Deuteranomaly

11.1590, 0.3194, 0.2215



Tritanomaly

12.8714, 0.4945, 0.2783

Monochromacy



Original Color

13.2479, 0.4038, 0.2053



Achromatopsia

8.8656, 0.3127, 0.3290



Achromatomaly

8.4421, 0.3529, 0.2426

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2479, 0.4038, 0.2053 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(190, 19, 138)` looks like.

```
.text, #text, p{  
    color:rgb(190, 19, 138)  
}
```

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(190, 19, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 19, 138) }
```

Border

The CSS property to change the border of an element to Yxy 13.2479, 0.4038, 0.2053 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(190, 19, 138) }
```

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

```
.border{ border-color:rgb(190, 19, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 19, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(190, 19, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(190, 19, 138); box-shadow:4px 4px 4px 4px rgb(190, 19, 138) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2479, 0.4038, 0.2053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 19, 138) }
```

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

```
.background{ background-color: rgb(190, 19,  
138) }
```

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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