

Converting Colors

$Y_{xy}(13.0782, 0.4270, 0.2424)$

Have a look what the booklet for
Yxy(13.0782, 0.4270, 0.2424)
contains.

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Color

Yxy(13.0782, 0.4270, 0.2424)

Conversions

Conversions Part 1

Format	Color
Hex	B43074
RGB	180, 48, 116
RGB Percent	71%, 19%, 45%
CMY	0.2940, 0.8119, 0.5450
CMYK	0.00, 0.73, 0.36, 0.29
HSL	329°, 58%, 45%
HSV	329°, 73%, 71%
XYZ	23.0379, 13.0782, 17.8369
YIQ	95.2200, 56.8440, 49.1320

Conversions

Conversions Part 2

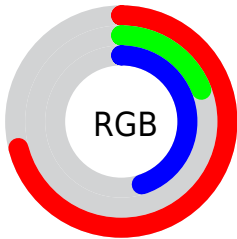
Format	Color
R_{YB}	180, 48, 116
Decimal	11808884
CIE _{Lab}	42.88, 57.95, -7.91
CIE _{LCh}	43, 58.490, 352.223
Yxy	13.0782, 0.4270, 0.2424
Android (android.graphics.Color)	4289998964 (0xFFB43074)
YUV	95.2200, 10.2445, 74.3521
Hunter-Lab	36.1638, 50.4257, -3.9286

Details

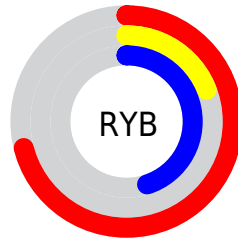
The Yxy color **13.0782, 0.4270, 0.2424** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **34.4523, 0.2700, 0.4544**, and the grayscale version is **11.4603, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2810, 0.3991, 0.2616**, and **4.5549, 0.4652, 0.2337** is the 20% darker color. If you saturate the color by 10%, you get **11.7010, 0.4505, 0.2400**, and if you desaturate by 10%, it is **15.0731, 0.4045, 0.2493**.

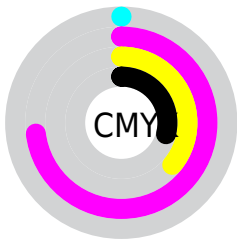
Distribution



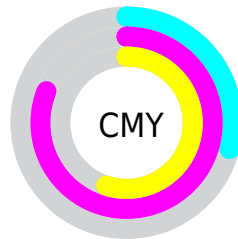
- Red (71%)
- Green (19%)
- Blue (45%)



- Red (71%)
- Yellow (19%)
- Blue (45%)



- Cyan (0%)
- Magenta (73%)
- Yellow (36%)
- Black (29%)




- Cyan (29%)
- Magenta (81%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.0782, 0.4270, 0.2424 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 13.0782, 0.4270, 0.2424 by changing the saturation by 10% instead.


 13.0782, 0.4270,
0.2424


 13.0782, 0.4270,
0.2424

211.4182, 0.3597,
0.2920


 7.4824, 0.4482,
0.2275


 31.4442, 0.3996,
0.2622


 3.7656, 0.4788,
0.2067


 44.9832, 0.3902,
0.2691

 1.5433, 0.5261,
0.1759

 61.9388, 0.3827,
0.2747

 0.3189, 0.6278,
0.0973

 82.6952, 0.3765,
0.2793

 0.0000, 1.0000,
0.0000

 107.6370, 0.3713,
0.2832

 0.0000, 0.0000,
0.0000

 137.1485, 0.3668,

0.2866

171.6141, 0.3630,
0.2895

■ 13.0782, 0.4270,
0.2424

■ 13.0782, 0.4270,
0.2424

■ 11.7010, 0.4505,
0.2400

■ 15.0731, 0.4045,
0.2493

■ 10.8614, 0.4738,
0.2428

■ 17.7487, 0.3839,
0.2594

■ 10.4934, 0.4891,
0.2468

■ 21.1624, 0.3656,
0.2717

■ 25.3649, 0.3497,
0.2850

■ 30.4024, 0.3363,
0.2987

■ 36.3176, 0.3249,
0.3121

■ 43.1501, 0.3155,
0.3249

■ 50.9372, 0.3077,
0.3369

■ 59.7139, 0.3012,
0.3481

Harmonies

Analogous

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



13.0782, 0.2981, 0.1899



13.0782, 0.4270, 0.2424



13.0782, 0.5275, 0.3107

Triad

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



13.0782, 0.4270, 0.2424



13.0782, 0.3943, 0.5454



13.0782, 0.1214, 0.2017

Complementary

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



13.0782, 0.4270, 0.2424



34.4523, 0.2700, 0.4544

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.



13.0782, 0.1349, 0.2916



13.0782, 0.4270, 0.2424



13.0782, 0.2865, 0.5510

Square

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



13.0782, 0.4270, 0.2424



13.0782, 0.4897, 0.4699



13.0782, 0.1907, 0.4366



13.0782, 0.1420, 0.1643

Rectangle

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



13.0782, 0.4270, 0.2424



13.0782, 0.5494, 0.3603



13.0782, 0.1907, 0.4366



13.0782, 0.1219, 0.2248

Sweetspot

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



13.0789, 0.4270, 0.2424



56.0885, 0.3351, 0.3000



8.8383, 0.2317, 0.1284



11.5567, 0.3384, 0.2964



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.



13.0789, 0.4270, 0.2424



20.1679, 0.4649, 0.2411



12.0493, 0.5561, 0.3275



8.5759, 0.3209, 0.3173



7.3344, 0.4865, 0.2454



0.2425, 0.4286, 0.2135

Inverse Universe

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



13.0789, 0.4270, 0.2424



20.1679, 0.4649, 0.2411



36.4905, 0.2329, 0.3324



8.5759, 0.3209, 0.3173



7.3344, 0.4865, 0.2454



0.2425, 0.4286, 0.2135

Previews

White Background



This preview shows how the Yxy color 13.0782, 0.4270, 0.2424 looks on a white background.

Color Contrast Check

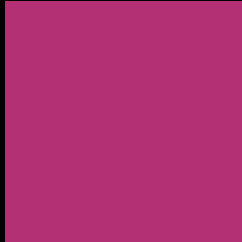
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.0782, 0.4270, 0.2424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

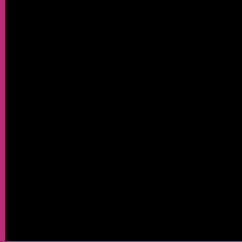
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.0782, 0.4270, 0.2424

Background



This preview shows how black text looks on a background with the Yxy color 13.0782, 0.4270, 0.2424.



This preview shows how white text looks on a background with the Yxy color 13.0782, 0.4270, 0.2424.

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

13.0782, 0.4270, 0.2424

Protanopia

13.4730, 0.2387, 0.2299

Deuteranopia

13.2790, 0.3137, 0.3079



Tritanopia

13.0570, 0.5136, 0.3258

Trichromacy



Original Color

13.0782, 0.4270, 0.2424

Protanomaly

11.8626, 0.2911, 0.2249

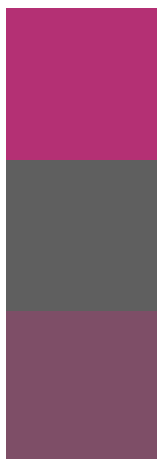
Deuteranomaly

12.0581, 0.3534, 0.2700

Tritanomaly

12.9135, 0.4831, 0.2943

Monochromacy



Original Color

13.0782, 0.4270, 0.2424

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

10.8637, 0.3547, 0.2797

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0782, 0.4270, 0.2424 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(180, 48, 116)` looks like.

```
.text, #text, p{  
  color:rgb(180, 48, 116)  
}
```

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(180, 48, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 48, 116) }
```

Border

The CSS property to change the border of an element to Yxy 13.0782, 0.4270, 0.2424 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(180, 48, 116) }
```

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

```
.border{ border-color:rgb(180, 48, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 48, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 48, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 48, 116);  
box-shadow:4px 4px 4px 4px rgb(180, 48,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0782, 0.4270, 0.2424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 48, 116) }
```

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

```
.background{ background-color: rgb(180, 48,  
116) }
```

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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