

Converting Colors

$Y_{xy}(14.0265, 0.3989, 0.2365)$

Have a look what the booklet for
Yxy(14.0265, 0.3989, 0.2365)
contains.

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Color

Yxy(14.0234, 0.4000, 0.2366)

Conversions

Conversions Part 1

Format	Color
Hex	B23A7F
RGB	178, 58, 127
RGB Percent	70%, 23%, 50%
CMY	0.3019, 0.7726, 0.5019
CMYK	0.00, 0.67, 0.29, 0.30
HSL	325°, 51%, 46%
HSV	325°, 67%, 70%
XYZ	23.7082, 14.0234, 21.5389
YIQ	101.7460, 49.3710, 46.8990

Conversions

Conversions Part 2

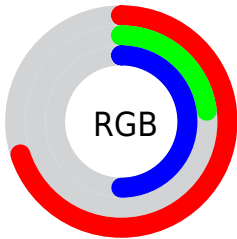
Format	Color
RYB	178, 58, 127
Decimal	11680383
CIELab	44.27, 54.97, -12.63
CIELCh	44, 56.405, 347.065
Yxy	14.0234, 0.4000, 0.2366
Android (android.graphics.Color)	4289870463 (0xFFB23A7F)
YUV	101.7460, 12.4502, 66.8748
Hunter-Lab	37.4478, 47.4745, -7.8884

Details

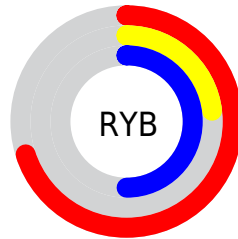
The Yxy color **14.0234, 0.4000, 0.2366** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **33.8526, 0.2753, 0.4562**, and the grayscale version is **13.1731, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.1101, 0.3799, 0.2563**, and **4.6150, 0.4310, 0.2148** is the 20% darker color. If you saturate the color by 10%, you get **12.3397, 0.4194, 0.2302**, and if you desaturate by 10%, it is **16.3437, 0.3818, 0.2469**.

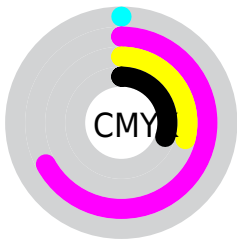
Distribution



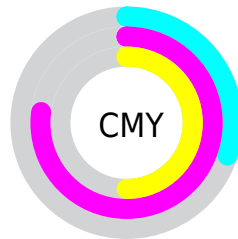
- Red (70%)
- Green (23%)
- Blue (50%)



- Red (70%)
- Yellow (23%)
- Blue (50%)



- Cyan (0%)
- Magenta (67%)
- Yellow (29%)
- Black (30%)



- Cyan (30%)
- Magenta (77%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.0234, 0.4000, 0.2366 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 14.0234, 0.4000, 0.2366 by changing the saturation by 10% instead.


 14.0234, 0.4000,
0.2366


 14.0234, 0.4000,
0.2366


217.3764, 0.3498,
0.2882


 8.1369, 0.4153,
0.2217


 33.1305, 0.3799,
0.2568


 4.1827, 0.4368,
0.2013


 47.1200, 0.3729,
0.2639


 1.7763, 0.4694,
0.1720

 64.5793, 0.3673,
0.2698

 0.4723, 0.5309,
0.1144

 85.8927, 0.3626,
0.2747

 0.0000, 0.7941,
0.0000

 111.4448, 0.3586,
0.2789

 0.0000, 0.0000,
0.0000

141.6198, 0.3552,

0.2824

176.8022, 0.3523,
0.2855

■ 14.0234, 0.4000,
0.2366

■ 14.0234, 0.4000,
0.2366

■ 12.3397, 0.4194,
0.2302

■ 16.3437, 0.3818,
0.2469

■ 11.2230, 0.4392,
0.2285

■ 19.3563, 0.3653,
0.2597

■ 10.5728, 0.4588,
0.2318

■ 23.1133, 0.3507,
0.2741

■ 10.4343, 0.4639,
0.2329

■ 27.6611, 0.3382,
0.2891

■ 33.0425, 0.3275,
0.3042

■ 39.2969, 0.3184,
0.3187

■ 46.4613, 0.3109,
0.3325

■ 54.5707, 0.3046,
0.3453

■ 63.6580, 0.2994,
0.3573

Harmonies

Analogous

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



14.0234, 0.2803, 0.1895



14.0234, 0.4000, 0.2366



14.0234, 0.5040, 0.3011

Triad

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



14.0234, 0.4000, 0.2366



14.0234, 0.4103, 0.5259



14.0234, 0.1290, 0.2193

Complementary

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



14.0234, 0.4000, 0.2366



33.8526, 0.2753, 0.4562

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.



14.0234, 0.1492, 0.3155



14.0234, 0.4000, 0.2366



14.0234, 0.3076, 0.5441

Square

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



14.0234, 0.4000, 0.2366



14.0234, 0.4960, 0.4526



14.0234, 0.2113, 0.4537



14.0234, 0.1433, 0.1751

Rectangle

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



14.0234, 0.4000, 0.2366



14.0234, 0.5355, 0.3488



14.0234, 0.2113, 0.4537



14.0234, 0.1316, 0.2450

Sweetspot

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



14.0241, 0.4000, 0.2366



56.9005, 0.3304, 0.2998



9.4271, 0.2304, 0.1381



11.9990, 0.3333, 0.2956



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.



14.0241, 0.4000, 0.2366



21.2450, 0.4293, 0.2287



12.9087, 0.5142, 0.3173



8.5844, 0.3200, 0.3160



7.4766, 0.4618, 0.2318



0.2466, 0.4127, 0.2047

Inverse Universe

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



14.0241, 0.4000, 0.2366



21.2450, 0.4293, 0.2287



35.5766, 0.2403, 0.3456



8.5844, 0.3200, 0.3160



7.4766, 0.4618, 0.2318



0.2466, 0.4127, 0.2047

Previews

White Background



This preview shows how the Yxy color 14.0234, 0.4000, 0.2366 looks on a white background.

Color Contrast Check

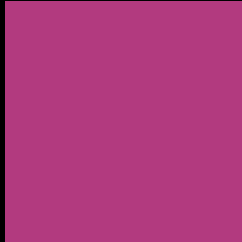
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.0234, 0.4000, 0.2366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

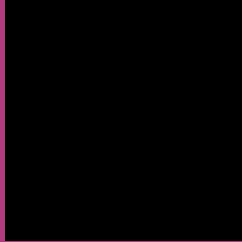
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.0234, 0.4000, 0.2366

Background



This preview shows how black text looks on a background with the Yxy color 14.0234, 0.4000, 0.2366.



This preview shows how white text looks on a background with the Yxy color 14.0234, 0.4000, 0.2366.

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

14.0234, 0.4000, 0.2366

Protanopia

14.4171, 0.2336, 0.2225

Deuteranopia

14.2691, 0.2966, 0.2922



Tritanopia

14.0269, 0.4833, 0.3226

Trichromacy



Original Color

14.0234, 0.4000, 0.2366

Protanomaly

12.8764, 0.2779, 0.2187

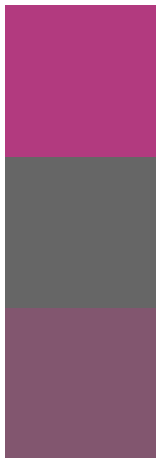
Deuteranomaly

13.2330, 0.3311, 0.2631

Tritanomaly

13.8366, 0.4530, 0.2890

Monochromacy



Original Color

14.0234, 0.4000, 0.2366

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

12.5491, 0.3453, 0.2814

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.0234, 0.4000, 0.2366 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(178, 58, 127)` looks like.

```
.text, #text, p{  
    color:rgb(178, 58, 127)  
}
```

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(178, 58, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 58, 127) }
```

Border

The CSS property to change the border of an element to Yxy 14.0234, 0.4000, 0.2366 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(178, 58, 127) }
```

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

```
.border{ border-color:rgb(178, 58, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 58, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 58, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 58, 127);  
box-shadow:4px 4px 4px 4px rgb(178, 58,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 14.0234, 0.4000, 0.2366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 58, 127) }
```

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

```
.background{ background-color: rgb(178, 58,  
127) }
```

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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