

Converting Colors

$Y_{xy}(23.5409, 0.4096, 0.2184)$

Have a look what the booklet for
Yxy(23.5409, 0.4096, 0.2184)
contains.

Yxy(23.6242, 0.4094, 0.2184)	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(23.6242, 0.4094, 0.2184)

Conversions

Conversions Part 1

Format	Color
Hex	F031AA
RGB	240, 49, 170
RGB Percent	94%, 19%, 67%
CMY	0.0589, 0.8076, 0.3333
CMYK	0.00, 0.80, 0.29, 0.06
HSL	322°, 86%, 57%
HSV	322°, 80%, 94%
XYZ	44.2846, 23.6242, 40.2607
YIQ	119.9030, 74.9950, 78.1230

Conversions

Conversions Part 2

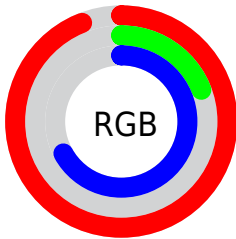
Format	Color
R _Y B	240, 49, 170
Decimal	15741354
CIE Lab	55.71, 78.53, -19.91
CIE LCh	56, 81.014, 345.771
Yxy	23.6242, 0.4094, 0.2184
Android (android.graphics.Color)	4293931434 (0xFFFF031AA)
YUV	119.9030, 24.6978, 105.3251
Hunter-Lab	48.6047, 77.5760, -15.0882

Details

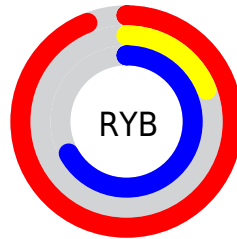
The Yxy color **23.6242, 0.4094, 0.2184** is a light color, and the websafe version is hex **CC0099**. The color can be described as light washed rose. A complement of this color would be **64.2947, 0.2793, 0.5022**, and the grayscale version is **18.6603, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.1870, 0.3473, 0.2229**, and **10.8917, 0.4300, 0.2142** is the 20% darker color. If you saturate the color by 10%, you get **21.8001, 0.4260, 0.2173**, and if you desaturate by 10%, it is **26.5404, 0.3928, 0.2246**.

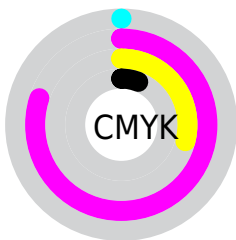
Distribution



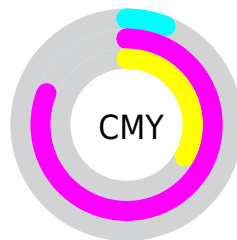
- Red (94%)
- Green (19%)
- Blue (67%)



- Red (94%)
- Yellow (19%)
- Blue (67%)



- Cyan (0%)
- Magenta (80%)
- Yellow (29%)
- Black (6%)




- Cyan (6%)
- Magenta (81%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6242, 0.4094, 0.2184 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 23.6242, 0.4094, 0.2184 by changing the saturation by 10% instead.


 23.6242, 0.4094,
0.2184


 23.6242, 0.4094,
0.2184

270.9150, 0.3589,
0.2741


 15.0551, 0.4226,
0.2046


 49.4163, 0.3906,
0.2386

 8.8581, 0.4399,
0.1871


 67.4080, 0.3836,
0.2462

 4.6487, 0.4632,
0.1643


 89.3094, 0.3778,
0.2526

 2.0427, 0.4964,
0.1338

 115.5048, 0.3729,
0.2582

 0.6321, 0.5479,
0.0893

 146.3787, 0.3686,
0.2629

 0.0000, 0.6510,
0.0000


182.3154, 0.3649,

 0.0000, 1.0000,


0.2671


0.0000

223.6994, 0.3617,
0.2708

 0.0000, 0.0000,
0.0000


 23.6242, 0.4094,
0.2184

 23.6242, 0.4094,
0.2184


 21.8001, 0.4260,
0.2173


 26.5404, 0.3928,
0.2246


 20.8254, 0.4422,
0.2211

 30.6939, 0.3770,
0.2350


 20.7896, 0.4429,
0.2213


 36.2117, 0.3624,
0.2486


 43.2035, 0.3492,
0.2642

 51.7683, 0.3377,
0.2808

 61.9960, 0.3279,
0.2976

 73.9700, 0.3195,
0.3140

 87.7680, 0.3124,
0.3297

 96.8913, 0.3068,
0.3347

Harmonies

Analogous

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



23.6242, 0.2672, 0.1678



23.6242, 0.4094, 0.2184



23.6242, 0.5377, 0.2881

Triad

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



23.6242, 0.4094, 0.2184



23.6242, 0.4192, 0.5506



23.6242, 0.1043, 0.2010

Complementary

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



23.6242, 0.4094, 0.2184



64.2947, 0.2793, 0.5022

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.



23.6242, 0.1251, 0.3147



23.6242, 0.4094, 0.2184



23.6242, 0.3025, 0.5940

Square

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



23.6242, 0.4094, 0.2184



23.6242, 0.5212, 0.4547



23.6242, 0.1936, 0.4908



23.6242, 0.1190, 0.1529

Rectangle

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



23.6242, 0.4094, 0.2184



23.6242, 0.5744, 0.3389



23.6242, 0.1936, 0.4908



23.6242, 0.1068, 0.2302

Sweetspot

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



23.6255, 0.4094, 0.2184



65.6133, 0.3321, 0.2900



12.1959, 0.2006, 0.1019



13.1655, 0.3357, 0.2840



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.6255, 0.4094, 0.2184



24.3028, 0.4353, 0.2191



21.2685, 0.5573, 0.3087



15.9274, 0.3194, 0.3141



11.4093, 0.4404, 0.2200



0.9682, 0.4205, 0.2090

Inverse Universe

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



23.6255, 0.4094, 0.2184



24.3028, 0.4353, 0.2191



67.6824, 0.2397, 0.3669



15.9274, 0.3194, 0.3141



11.4093, 0.4404, 0.2200



0.9682, 0.4205, 0.2090

Previews

White Background



This preview shows how the Yxy color 23.6242, 0.4094, 0.2184 looks on a white background.

Color Contrast Check

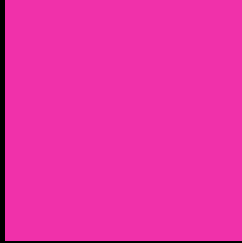
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 23.6242, 0.4094, 0.2184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

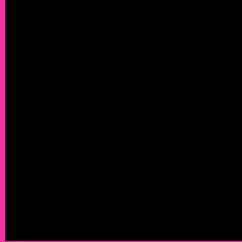
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.6242, 0.4094, 0.2184

Background



This preview shows how black text looks on a background with the Yxy color 23.6242, 0.4094, 0.2184.



This preview shows how white text looks on a background with the Yxy color 23.6242, 0.4094, 0.2184.

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

23.6242, 0.4094, 0.2184

Protanopia

24.1139, 0.2075, 0.1883

Deuteranopia

23.8390, 0.2868, 0.2814



Tritanopia

23.5401, 0.5256, 0.3259

Trichromacy



Original Color

23.6242, 0.4094, 0.2184



Protanomaly

19.8812, 0.2528, 0.1813



Deuteranomaly

20.8719, 0.3282, 0.2396



Tritanomaly

23.2049, 0.4874, 0.2845

Monochromacy



Original Color

23.6242, 0.4094, 0.2184



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

17.7329, 0.3523, 0.2614

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6242, 0.4094, 0.2184 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(240, 49, 170)` looks like.

```
.text, #text, p{  
    color:rgb(240, 49, 170)  
}
```

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(240, 49, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 49, 170) }
```

Border

The CSS property to change the border of an element to Yxy 23.6242, 0.4094, 0.2184 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(240, 49, 170) }
```

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

```
.border{ border-color:rgb(240, 49, 170) }
```

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

Here you see how a box with a 4 pixel rgb(240, 49, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 49, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 49, 170);  
box-shadow:4px 4px 4px 4px rgb(240, 49,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6242, 0.4094, 0.2184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 49, 170) }
```

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

```
.background{ background-color: rgb(240, 49,  
170) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor