

Converting Colors

Yxy(23.2187, 0.4842, 0.2454)

Have a look what the booklet for
Yxy(23.2187, 0.4842, 0.2454)
contains.

Yxy(23.2181, 0.4835, 0.2450)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.2181, 0.4835, 0.2450)

Conversions

Conversions Part 1

Format	Color
Hex	FF0789
RGB	255, 7, 137
RGB Percent	100%, 3%, 54%
CMY	0.0002, 0.9709, 0.4628
CMYK	0.00, 0.97, 0.46, 0.00
HSL	329°, 100%, 51%
HSV	329°, 97%, 100%
XYZ	45.8202, 23.2181, 25.7294
YIQ	95.9720, 106.0780, 93.0060

Conversions

Conversions Part 2

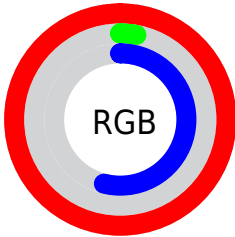
Format	Color
R_{YB}	255, 7, 137
Decimal	16713609
CIE Lab	55.30, 84.74, -0.72
CIE LCh	55, 84.743, 359.511
Yxy	23.2181, 0.4835, 0.2450
Android (android.graphics.Color)	4294903689 (0xFFFF0789)
YUV	95.9720, 20.2268, 139.4676
Hunter-Lab	48.1852, 85.4151, 2.0705

Details

The Yxy color **23.2181, 0.4835, 0.2450** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark saturated rose. A complement of this color would be **73.0337, 0.2745, 0.5067**, and the grayscale version is **11.6798, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.2851, 0.3889, 0.2416**, and **11.9110, 0.5142, 0.2606** is the 20% darker color. If you saturate the color by 10%, you get **22.9587, 0.4900, 0.2473**, and if you desaturate by 10%, it is **24.5099, 0.4608, 0.2392**.

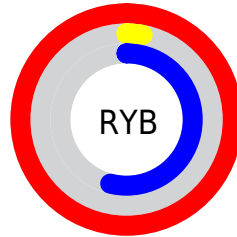
Distribution



Red (100%)

Green (3%)

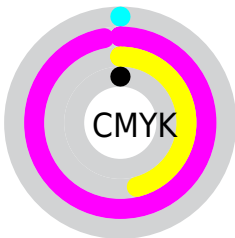
Blue (54%)



Red (100%)

Yellow (3%)

Blue (54%)

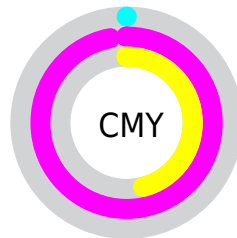


Cyan (0%)

Magenta (97%)

Yellow (46%)

Black (0%)



Cyan (0%)


Magenta (97%)


Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.2181, 0.4835, 0.2450 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 23.2181, 0.4835, 0.2450 by changing the saturation by 10% instead.


 23.2181, 0.4835,
0.2450


 23.2181, 0.4835,
0.2450


268.8432, 0.3902,
0.2907


 14.7546, 0.5091,
0.2325


 48.7512, 0.4478,
0.2625


 8.6474, 0.5432,
0.2159


 66.5896, 0.4349,
0.2688


 4.5119, 0.5902,
0.1931

 88.3218, 0.4243,
0.2740

 1.9638, 0.6579,
0.1604

 114.3322, 0.4153,
0.2784

 0.5863, 0.7664,
0.1074

 145.0051, 0.4076,
0.2822

 0.0000, 1.0000,
0.0000

180.7250, 0.4010,

 0.0000, 0.0000,

0.2854

0.0000

221.8762, 0.3953,
0.2883

■ 23.2181, 0.4835,
0.2450

■ 23.2181, 0.4835,
0.2450

■ 22.9587, 0.4900,
0.2473

■ 24.5099, 0.4608,
0.2392

■ 26.9035, 0.4372,
0.2390

■ 30.6126, 0.4141,
0.2439

■ 35.8033, 0.3924,
0.2529

■ 42.6170, 0.3729,
0.2647

■ 51.1783, 0.3559,
0.2782

■ 61.5997, 0.3413,
0.2922

■ 73.9842, 0.3291,
0.3063

■ 88.4270, 0.3189,
0.3198

Harmonies

Analogous

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



23.2181, 0.3288, 0.1825



23.2181, 0.4835, 0.2450



23.2181, 0.5797, 0.3199

Triad

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



23.2181, 0.4835, 0.2450



23.2181, 0.3644, 0.5941



23.2181, 0.1005, 0.1662

Complementary

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



23.2181, 0.4835, 0.2450



73.0337, 0.2745, 0.5067

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.



23.2181, 0.1034, 0.2479



23.2181, 0.4835, 0.2450



23.2181, 0.2448, 0.5812

Square

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



23.2181, 0.4835, 0.2450



23.2181, 0.4812, 0.5027



23.2181, 0.1485, 0.4114



23.2181, 0.1312, 0.1390

Rectangle

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



23.2181, 0.4835, 0.2450



23.2181, 0.5824, 0.3738



23.2181, 0.1485, 0.4114



23.2181, 0.0977, 0.1858

Sweetspot

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



23.2195, 0.4835, 0.2450



59.4826, 0.3439, 0.2895



11.5848, 0.1972, 0.0869



11.7634, 0.3501, 0.2835



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.



23.2195, 0.4835, 0.2450



22.9666, 0.4900, 0.2473



21.4500, 0.6341, 0.3286



18.1459, 0.3212, 0.3166



12.0310, 0.4865, 0.2454



1.1935, 0.4624, 0.2321

Inverse Universe

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



23.2195, 0.4835, 0.2450



22.9666, 0.4900, 0.2473



78.2406, 0.2277, 0.3388



18.1459, 0.3212, 0.3166



12.0310, 0.4865, 0.2454



1.1935, 0.4624, 0.2321

Previews

White Background



This preview shows how the Yxy color 23.2181, 0.4835, 0.2450 looks on a white background.

Color Contrast Check

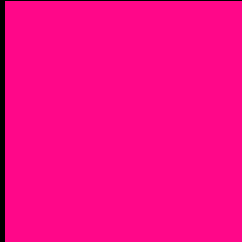
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.2181, 0.4835, 0.2450 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 23.2181, 0.4835, 0.2450

Background



This preview shows how black text looks on a background with the Yxy color 23.2181, 0.4835, 0.2450.



This preview shows how white text looks on a background with the Yxy color 23.2181, 0.4835, 0.2450.

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

23.2181, 0.4835, 0.2450

Protanopia

23.6433, 0.2369, 0.2263

Deuteranopia

23.5964, 0.3399, 0.3341



Tritanopia

23.5174, 0.5868, 0.3298

Trichromacy



Original Color

23.2181, 0.4835, 0.2450



Protanomaly

17.5373, 0.3033, 0.2033



Deuteranomaly

18.8001, 0.3997, 0.2682



Tritanomaly

22.7376, 0.5592, 0.2993

Monochromacy



Original Color

23.2181, 0.4835, 0.2450



Achromatopsia

11.6971, 0.3127, 0.3290



Achromatomaly

11.6845, 0.3914, 0.2537

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2181, 0.4835, 0.2450 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(255, 7, 137)` looks like.

```
.text, #text, p{  
  color:rgb(255, 7, 137)  
}
```

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(255, 7, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 7, 137) }
```

Border

The CSS property to change the border of an element to Yxy 23.2181, 0.4835, 0.2450 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(255, 7, 137) }
```

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

```
.border{ border-color:rgb(255, 7, 137) }
```

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

Here you see how a box with a 4 pixel rgb(255, 7, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 7, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 7, 137);  
box-shadow:4px 4px 4px 4px rgb(255, 7,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2181, 0.4835, 0.2450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 7, 137) }
```

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

```
.background{ background-color: rgb(255, 7,  
137) }
```

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