

Converting Colors

$Y_{xy}(23.5956, 0.4555, 0.2283)$

Have a look what the booklet for
Yxy(23.5956, 0.4555, 0.2283)
contains.

Yxy(23.5931, 0.4556, 0.2284)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.5931, 0.4556, 0.2284)

Conversions

Conversions Part 1

Format	Color
Hex	FF009A
RGB	255, 0, 154
RGB Percent	100%, 0%, 60%
CMY	0.0001, 0.9985, 0.3961
CMYK	0.00, 1.00, 0.40, 0.00
HSL	324°, 100%, 50%
HSV	324°, 100%, 100%
XYZ	47.0622, 23.5931, 32.6419
YIQ	93.8010, 102.5460, 101.9540

Conversions

Conversions Part 2

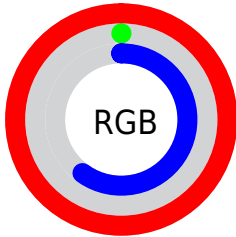
Format	Color
RYB	255, 0, 154
Decimal	16711834
CIELab	55.68, 86.60, -10.27
CIELCh	56, 87.212, 353.236
Yxy	23.5931, 0.4556, 0.2284
Android (android.graphics.Color)	4294901914 (0xFFFF009A)
YUV	93.8010, 29.6781, 141.3715
Hunter-Lab	48.5727, 87.9468, -5.8433

Details

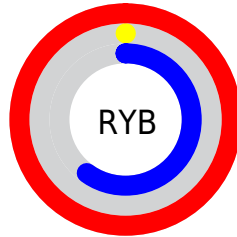
The Yxy color **23.5931, 0.4556, 0.2284** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **72.4459, 0.2825, 0.5368**, and the grayscale version is **11.1091, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.1214, 0.3676, 0.2254**, and **12.1857, 0.4810, 0.2424** is the 20% darker color. If you saturate the color by 10%, you get **23.5807, 0.4559, 0.2285**, and if you desaturate by 10%, it is **24.6712, 0.4377, 0.2235**.

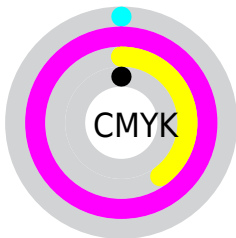
Distribution



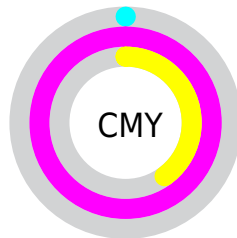
- Red (100%)
- Green (0%)
- Blue (60%)



- Red (100%)
- Yellow (0%)
- Blue (60%)



- Cyan (0%)
- Magenta (100%)
- Yellow (40%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5931, 0.4556, 0.2284 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 23.5931, 0.4556, 0.2284 by changing the saturation by 10% instead.


 23.5931, 0.4556,
0.2284


 23.5931, 0.4556,
0.2284


270.7568, 0.3789,
0.2806


 15.0321, 0.4762,
0.2150


 49.3654, 0.4266,
0.2477


 8.8419, 0.5035,
0.1978


 67.3454, 0.4160,
0.2548

 4.6382, 0.5410,
0.1748


 89.2339, 0.4072,
0.2608

 2.0366, 0.5948,
0.1434

 115.4152, 0.3998,
0.2660

 0.6286, 0.6787,
0.0961

 146.2738, 0.3935,
0.2704

 0.0000, 0.9083,
0.0000

182.1940, 0.3880,

 0.0000, 1.0000,

0.2742

0.0000

223.5602, 0.3832,
0.2776

■ 0.0000, 0.0000,
0.0000

■ 23.5931, 0.4556,
0.2284

■ 23.5931, 0.4556,
0.2284

■ 23.5807, 0.4559,
0.2285

■ 24.6712, 0.4377,
0.2235

■ 26.7192, 0.4192,
0.2236

■ 30.0191, 0.4008,
0.2289

■ 34.7456, 0.3832,
0.2386

■ 41.0455, 0.3670,
0.2515

■ 49.0469, 0.3526,
0.2665

■ 58.8650, 0.3400,
0.2824

■ 70.6046, 0.3293,
0.2985

■ 84.3626, 0.3202,
0.3142

Harmonies

Analogous

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



23.5931, 0.2977, 0.1699



23.5931, 0.4556, 0.2284



23.5931, 0.5740, 0.3023

Triad

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



23.5931, 0.4556, 0.2284



23.5931, 0.3891, 0.5833



23.5931, 0.0953, 0.1748

Complementary

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



23.5931, 0.4556, 0.2284



72.4459, 0.2825, 0.5368

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.



23.5931, 0.1055, 0.2731



23.5931, 0.4556, 0.2284



23.5931, 0.2669, 0.6059

Square

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



23.5931, 0.4556, 0.2284



23.5931, 0.5050, 0.4816



23.5931, 0.1615, 0.4559



23.5931, 0.1190, 0.1386

Rectangle

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



23.5931, 0.4556, 0.2284



23.5931, 0.5916, 0.3551



23.5931, 0.1615, 0.4559



23.5931, 0.0947, 0.1988

Sweetspot

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



23.5945, 0.4556, 0.2284



58.7177, 0.3402, 0.2821



9.8217, 0.1801, 0.0766



11.6354, 0.3453, 0.2754



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.



23.5945, 0.4556, 0.2284



23.5884, 0.4559, 0.2285



21.3558, 0.6283, 0.3236



18.1712, 0.3199, 0.3148



12.3557, 0.4530, 0.2269



1.2246, 0.4338, 0.2163

Inverse Universe

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



23.5945, 0.4556, 0.2284



23.5884, 0.4559, 0.2285



76.9498, 0.2351, 0.3664



18.1712, 0.3199, 0.3148



12.3557, 0.4530, 0.2269



1.2246, 0.4338, 0.2163

Previews

White Background



This preview shows how the Yxy color 23.5931, 0.4556, 0.2284 looks on a white background.

Color Contrast Check

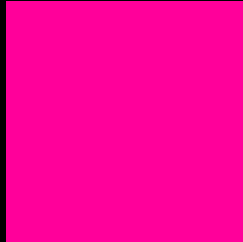
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5931, 0.4556, 0.2284 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 23.5931, 0.4556, 0.2284

Background



This preview shows how black text looks on a background with the Yxy color 23.5931, 0.4556, 0.2284.



This preview shows how white text looks on a background with the Yxy color 23.5931, 0.4556, 0.2284.

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

23.5931, 0.4556, 0.2284

Protanopia

24.3756, 0.2158, 0.1989

Deuteranopia

24.1451, 0.3148, 0.3093



Tritanopia

24.0204, 0.5741, 0.3284

Trichromacy



Original Color

23.5931, 0.4556, 0.2284



Protanomaly

17.4398, 0.2719, 0.1759



Deuteranomaly

18.6376, 0.3684, 0.2434



Tritanomaly

22.9910, 0.5426, 0.2902

Monochromacy



Original Color

23.5931, 0.4556, 0.2284



Achromatopsia

11.1932, 0.3127, 0.3290



Achromatomaly

11.2650, 0.3816, 0.2401

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5931, 0.4556, 0.2284 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, 0, 154)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 154)  
}
```

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, 0, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 154) }
```

Border

The CSS property to change the border of an element to Yxy 23.5931, 0.4556, 0.2284 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, 0, 154) }
```

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

```
.border{ border-color:rgb(255, 0, 154) }
```

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

Here you see how a box with a 4 pixel rgb(255, 0, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 154);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5931, 0.4556, 0.2284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 154) }
```

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

```
.background{ background-color: rgb(255, 0,  
154) }
```

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