

Converting Colors

Yxy(27.9854, 0.5223, 0.2260)

Have a look what the booklet for
Yxy(27.9854, 0.5223, 0.2260)
contains.

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Color

Yxy(23.4944, 0.4606, 0.2311)

Conversions

Conversions Part 1

Format	Color
Hex	FF0097
RGB	255, 0, 151
RGB Percent	100%, 0%, 59%
CMY	0.0000, 0.9998, 0.4079
CMYK	0.00, 1.00, 0.41, 0.00
HSL	324°, 100%, 50%
HSV	324°, 100%, 100%
XYZ	46.8261, 23.4944, 31.3428
YIQ	93.4590, 103.5090, 101.0210

Conversions

Conversions Part 2

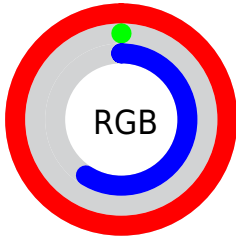
Format	Color
R_{YB}	255, 0, 151
Decimal	16711831
CIE _{Lab}	55.58, 86.37, -8.65
CIE _{LCh}	56, 86.805, 354.284
Yxy	23.4944, 0.4606, 0.2311
Android (android.graphics.Color)	4294901911 (0xFFFF0097)
YUV	93.4590, 28.3677, 141.6715
Hunter-Lab	48.4710, 87.6182, -4.4090

Details

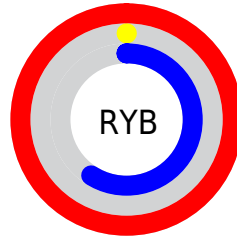
The Yxy color **23.4944, 0.4606, 0.2311** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **72.5211, 0.2816, 0.5337**, and the grayscale version is **10.9811, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.7821, 0.3712, 0.2272**, and **12.1266, 0.4876, 0.2460** is the 20% darker color. If you saturate the color by 10%, you get **23.4935, 0.4606, 0.2311**, and if you desaturate by 10%, it is **24.5665, 0.4420, 0.2259**.

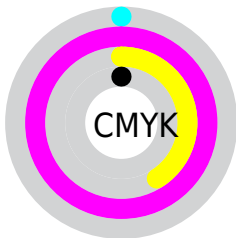
Distribution



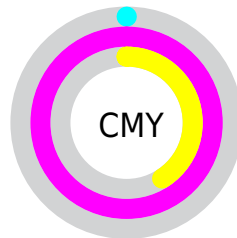
- Red (100%)
- Green (0%)
- Blue (59%)



- Red (100%)
- Yellow (0%)
- Blue (59%)



- Cyan (0%)
- Magenta (100%)
- Yellow (41%)
- Black (0%)



- Cyan (0%)
- Magenta (100%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.4944, 0.4606, 0.2311 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 23.4944, 0.4606, 0.2311 by changing the saturation by 10% instead.


 23.4944, 0.4606,
0.2311


 23.4944, 0.4606,
0.2311


270.2543, 0.3810,
0.2822

 14.9590, 0.4821,
0.2179


 49.2039, 0.4304,
0.2501


 8.7906, 0.5107,
0.2007


 67.1467, 0.4194,
0.2571


 4.6049, 0.5499,
0.1778


 88.9942, 0.4103,
0.2630

 2.0173, 0.6064,
0.1461

 115.1306, 0.4026,
0.2680

 0.6175, 0.6947,
0.0977

 145.9405, 0.3960,
0.2723

 0.0000, 0.9642,
0.0000

181.8081, 0.3903,

 0.0000, 1.0000,

0.2760

0.0000

223.1179, 0.3853,
0.2793

■ 0.0000, 0.0000,
0.0000

■ 23.4944, 0.4606,
0.2311

■ 23.4944, 0.4606,
0.2311

■ 23.4935, 0.4606,
0.2311

■ 24.5665, 0.4420,
0.2259

■ 26.6034, 0.4229,
0.2257

■ 29.8915, 0.4038,
0.2307

■ 34.6063, 0.3855,
0.2401

■ 40.8948, 0.3688,
0.2527

■ 48.8856, 0.3539,
0.2674

■ 58.6939, 0.3409,
0.2830

■ 70.4250, 0.3298,
0.2988

■ 84.1758, 0.3205,
0.3143

Harmonies

Analogous

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



23.4944, 0.3028, 0.1719



23.4944, 0.4606, 0.2311



23.4944, 0.5755, 0.3052

Triad

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



23.4944, 0.4606, 0.2311



23.4944, 0.3849, 0.5856



23.4944, 0.0960, 0.1731

Complementary

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



23.4944, 0.4606, 0.2311



72.5211, 0.2816, 0.5337

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.



23.4944, 0.1049, 0.2685



23.4944, 0.4606, 0.2311



23.4944, 0.2631, 0.6026

Square

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



23.4944, 0.4606, 0.2311



23.4944, 0.5011, 0.4853



23.4944, 0.1591, 0.4483



23.4944, 0.1209, 0.1385

Rectangle

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



23.4944, 0.4606, 0.2311



23.4944, 0.5904, 0.3582



23.4944, 0.1591, 0.4483



23.4944, 0.0950, 0.1963

Sweetspot

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



23.4954, 0.4606, 0.2311



58.6707, 0.3409, 0.2830



10.0479, 0.1826, 0.0780



11.6242, 0.3462, 0.2763



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.



23.4954, 0.4606, 0.2311



23.4935, 0.4606, 0.2311



21.3338, 0.6310, 0.3250



18.1676, 0.3201, 0.3150



12.3062, 0.4577, 0.2295



1.2199, 0.4378, 0.2185

Inverse Universe

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



23.4954, 0.4606, 0.2311



23.4935, 0.4606, 0.2311



77.2058, 0.2336, 0.3609



18.1676, 0.3201, 0.3150



12.3062, 0.4577, 0.2295



1.2199, 0.4378, 0.2185

Previews

White Background



This preview shows how the Yxy color 23.4944, 0.4606, 0.2311 looks on a white background.

Color Contrast Check

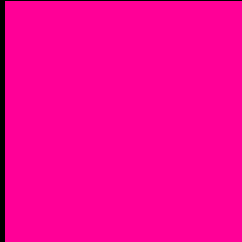
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4944, 0.4606, 0.2311 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 23.4944, 0.4606, 0.2311

Background



This preview shows how black text looks on a background with the Yxy color 23.4944, 0.4606, 0.2311.



This preview shows how white text looks on a background with the Yxy color 23.4944, 0.4606, 0.2311.

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

23.4944, 0.4606, 0.2311

Protanopia

24.3371, 0.2196, 0.2036

Deuteranopia

23.8785, 0.3193, 0.3125



Tritanopia

23.8926, 0.5769, 0.3291

Trichromacy



Original Color

23.4944, 0.4606, 0.2311



Protanomaly

17.4600, 0.2780, 0.1804



Deuteranomaly

18.5144, 0.3745, 0.2464



Tritanomaly

22.8898, 0.5460, 0.2916

Monochromacy



Original Color

23.4944, 0.4606, 0.2311



Achromatopsia

10.9462, 0.3127, 0.3290



Achromatomaly

11.0182, 0.3841, 0.2412

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4944, 0.4606, 0.2311 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, 151)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 151)  
}
```

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, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 151) }
```

Border

The CSS property to change the border of an element to Yxy 23.4944, 0.4606, 0.2311 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, 151) }
```

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

```
.border{ border-color:rgb(255, 0, 151) }
```

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, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 151);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4944, 0.4606, 0.2311 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, 151) }
```

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

```
.background{ background-color: rgb(255, 0,  
151) }
```

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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