

Converting Colors

$Y_{xy}(23.6450, 0.4636, 0.2344)$

Have a look what the booklet for
Yxy(23.6450, 0.4636, 0.2344)
contains.

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Color

Yxy(23.6470, 0.4633, 0.2342)

Conversions

Conversions Part 1

Format	Color
Hex	FF0A95
RGB	255, 10, 149
RGB Percent	100%, 4%, 58%
CMY	0.0000, 0.9612, 0.4156
CMYK	0.00, 0.96, 0.42, 0.00
HSL	326°, 100%, 52%
HSV	326°, 96%, 100%
XYZ	46.7791, 23.6470, 30.5432
YIQ	99.1010, 101.4010, 95.1690

Conversions

Conversions Part 2

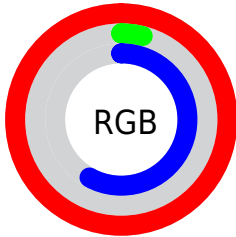
Format	Color
R_{YB}	255, 10, 149
Decimal	16714389
CIE _{Lab}	55.73, 85.57, -7.25
CIE _{LCh}	56, 85.881, 355.160
Yxy	23.6470, 0.4633, 0.2342
Android (android.graphics.Color)	4294904469 (0xFFFF0A95)
YUV	99.1010, 24.6002, 136.7234
Hunter-Lab	48.6282, 86.6131, -3.2001

Details

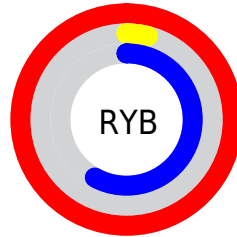
The Yxy color **23.6470, 0.4633, 0.2342** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **72.8418, 0.2781, 0.5190**, and the grayscale version is **12.4061, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.0745, 0.3732, 0.2306**, and **12.0883, 0.4921, 0.2484** is the 20% darker color. If you saturate the color by 10%, you get **23.2965, 0.4710, 0.2368**, and if you desaturate by 10%, it is **25.0253, 0.4430, 0.2300**.

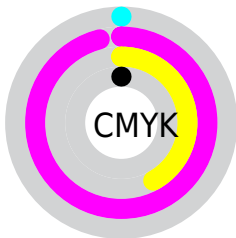
Distribution



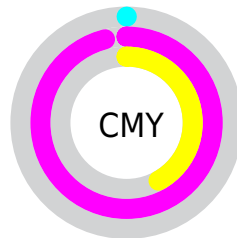
- Red (100%)
- Green (4%)
- Blue (58%)



- Red (100%)
- Yellow (4%)
- Blue (58%)



- Cyan (0%)
- Magenta (96%)
- Yellow (42%)
- Black (0%)





- Cyan (0%)
- Magenta (96%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6470, 0.4633, 0.2342 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 23.6470, 0.4633, 0.2342 by changing the saturation by 10% instead.


 23.6470, 0.4633,
0.2342


 23.6470, 0.4633,
0.2342


271.0309, 0.3820,
0.2840

 15.0720, 0.4853,
0.2212


 49.4535, 0.4324,
0.2528

 8.8699, 0.5145,
0.2043


 67.4538, 0.4212,
0.2596


 4.6564, 0.5547,
0.1816


 89.3647, 0.4119,
0.2653

 2.0471, 0.6127,
0.1500

 115.5705, 0.4041,
0.2702

 0.6346, 0.7028,
0.1019

 146.4556, 0.3974,
0.2744

 0.0000, 1.0000,
0.0000

182.4045, 0.3916,

 0.0000, 0.0000,

0.2780

0.0000

223.8014, 0.3865,
0.2812

■ 23.6470, 0.4633,
0.2342

■ 23.6470, 0.4633,
0.2342

■ 23.2965, 0.4710,
0.2368

■ 25.0253, 0.4430,
0.2300

■ 27.5295, 0.4223,
0.2313

■ 31.3605, 0.4020,
0.2376

■ 36.6812, 0.3829,
0.2479

■ 43.6309, 0.3658,
0.2609

■ 52.3327, 0.3507,
0.2755

■ 62.8978, 0.3377,
0.2907

■ 75.4280, 0.3267,
0.3059

■ 90.0179, 0.3176,
0.3205

Harmonies

Analogous

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



23.6470, 0.3073, 0.1746



23.6470, 0.4633, 0.2342



23.6470, 0.5742, 0.3083

Triad

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



23.6470, 0.4633, 0.2342



23.6470, 0.3818, 0.5856



23.6470, 0.0979, 0.1730

Complementary

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



23.6470, 0.4633, 0.2342



72.8418, 0.2781, 0.5190

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.



23.6470, 0.1059, 0.2656



23.6470, 0.4633, 0.2342



23.6470, 0.2609, 0.5965

Square

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



23.6470, 0.4633, 0.2342



23.6470, 0.4970, 0.4878



23.6470, 0.1585, 0.4409



23.6470, 0.1237, 0.1397

Rectangle

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



23.6470, 0.4633, 0.2342



23.6470, 0.5873, 0.3613



23.6470, 0.1585, 0.4409



23.6470, 0.0967, 0.1956

Sweetspot

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



23.6456, 0.4633, 0.2342



59.6572, 0.3412, 0.2863



10.8810, 0.1895, 0.0830



11.8050, 0.3468, 0.2798



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.



23.6456, 0.4633, 0.2342



23.2965, 0.4710, 0.2368



21.5702, 0.6265, 0.3250



18.1599, 0.3205, 0.3156



12.2035, 0.4678, 0.2351



1.2101, 0.4464, 0.2233

Inverse Universe

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



23.6456, 0.4633, 0.2342



23.2965, 0.4710, 0.2368



77.5575, 0.2321, 0.3542



18.1599, 0.3205, 0.3156



12.2035, 0.4678, 0.2351



1.2101, 0.4464, 0.2233

Previews

White Background



This preview shows how the Yxy color 23.6470, 0.4633, 0.2342 looks on a white background.

Color Contrast Check

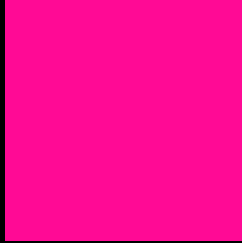
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6470, 0.4633, 0.2342 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 23.6470, 0.4633, 0.2342

Background



This preview shows how black text looks on a background with the Yxy color 23.6470, 0.4633, 0.2342.



This preview shows how white text looks on a background with the Yxy color 23.6470, 0.4633, 0.2342.

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

23.6470, 0.4633, 0.2342

Protanopia

24.2411, 0.2218, 0.2069

Deuteranopia

23.9112, 0.3226, 0.3158



Tritanopia

23.7888, 0.5776, 0.3285

Trichromacy



Original Color

23.6470, 0.4633, 0.2342



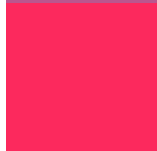
Protanomaly

17.9663, 0.2812, 0.1879



Deuteranomaly

19.0477, 0.3781, 0.2530



Tritanomaly

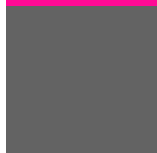
23.0716, 0.5464, 0.2938

Monochromacy



Original Color

23.6470, 0.4633, 0.2342



Achromatopsia

12.4772, 0.3127, 0.3290



Achromatomaly

12.3666, 0.3823, 0.2498

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6470, 0.4633, 0.2342 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, 10, 149)` looks like.

```
.text, #text, p{  
    color:rgb(255, 10, 149)  
}
```

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, 10, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 10, 149) }
```

Border

The CSS property to change the border of an element to Yxy 23.6470, 0.4633, 0.2342 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, 10, 149) }
```

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

```
.border{ border-color:rgb(255, 10, 149) }
```

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

Here you see how a box with a 4 pixel rgb(255, 10, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 10, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 10, 149);  
box-shadow:4px 4px 4px 4px rgb(255, 10,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6470, 0.4633, 0.2342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 10, 149) }
```

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

```
.background{ background-color: rgb(255, 10,  
149) }
```

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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