

Converting Colors

$Yxy(23.5194, 0.4721, 0.2395)$

Have a look what the booklet for
Yxy(23.5194, 0.4721, 0.2395)
contains.

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Color

Yxy(23.5366, 0.4715, 0.2391)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FF0C90 |
| RGB | 255, 12, 144 |
| RGB Percent | 100%, 5%, 56% |
| CMY | 0.0000, 0.9536, 0.4352 |
| CMYK | 0.00, 0.95, 0.44, 0.00 |
| HSL | 327°, 100%, 52% |
| HSV | 327°, 95%, 100% |
| XYZ | 46.4137, 23.5366, 28.4880 |
| YIQ | 99.7050, 102.4560, 92.5680 |

Conversions

Conversions Part 2

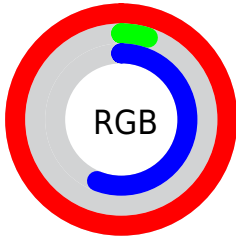
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 255, 12, 144 |
| Decimal | 16714896 |
| CIE Lab | 55.62, 85.03, -4.43 |
| CIE LCh | 56, 85.142, 357.015 |
| Yxy | 23.5366, 0.4715, 0.2391 |
| Android (android.graphics.Color) | 4294904976 (0xFFFF0C90) |
| YUV | 99.7050, 21.8374, 136.1937 |
| Hunter-Lab | 48.5145, 85.8698, -0.8553 |

Details

The Yxy color **23.5366, 0.4715, 0.2391** 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 **73.0225, 0.2757, 0.5100**, and the grayscale version is **12.5629, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.8400, 0.3791, 0.2351**, and **12.0146, 0.5009, 0.2533** is the 20% darker color. If you saturate the color by 10%, you get **23.1128, 0.4813, 0.2425**, and if you desaturate by 10%, it is **24.9925, 0.4497, 0.2347**.

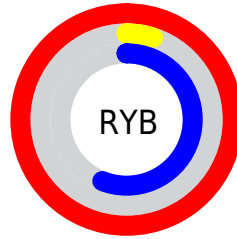
Distribution



Red (100%)

Green (5%)

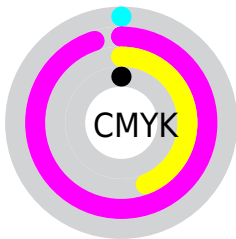
Blue (56%)



Red (100%)

Yellow (5%)

Blue (56%)

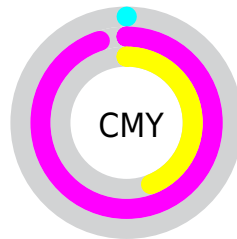


Cyan (0%)

Magenta (95%)

Yellow (44%)

Black (0%)



Cyan (0%)


Magenta (95%)

Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5366, 0.4715, 0.2391 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 23.5366, 0.4715, 0.2391 by changing the saturation by 10% instead.


 23.5366, 0.4715,
0.2391


 23.5366, 0.4715,
0.2391


270.4692, 0.3854,
0.2870


 14.9902, 0.4950,
0.2264


 49.2729, 0.4387,
0.2571

 8.8125, 0.5262,
0.2097


 67.2317, 0.4268,
0.2637


 4.6191, 0.5692,
0.1870

 89.0967, 0.4169,
0.2692

 2.0256, 0.6313,
0.1551

 115.2523, 0.4086,
0.2739

 0.6223, 0.7278,
0.1052

 146.0830, 0.4015,
0.2779

 0.0000, 1.0000,
0.0000

181.9731, 0.3954,

 0.0000, 0.0000,

0.2813

0.0000

223.3071, 0.3901,
0.2843

■ 23.5366, 0.4715,
0.2391

■ 23.5366, 0.4715,
0.2391

■ 23.1128, 0.4813,
0.2425

■ 24.9925, 0.4497,
0.2347

■ 27.5974, 0.4274,
0.2359

■ 31.5461, 0.4057,
0.2420

■ 36.9996, 0.3855,
0.2520

■ 44.0959, 0.3674,
0.2647

■ 52.9572, 0.3516,
0.2788

■ 63.6940, 0.3380,
0.2934

■ 76.4078, 0.3266,
0.3079

■ 91.1926, 0.3171,
0.3218

Harmonies

Analogous

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



23.5366, 0.3165, 0.1783



23.5366, 0.4715, 0.2391



23.5366, 0.5759, 0.3135

Triad

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



23.5366, 0.4715, 0.2391



23.5366, 0.3745, 0.5887



23.5366, 0.0995, 0.1705

Complementary

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



23.5366, 0.4715, 0.2391



73.0225, 0.2757, 0.5100

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.



23.5366, 0.1053, 0.2582



23.5366, 0.4715, 0.2391



23.5366, 0.2544, 0.5893

Square

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



23.5366, 0.4715, 0.2391



23.5366, 0.4901, 0.4940



23.5366, 0.1547, 0.4278



23.5366, 0.1272, 0.1398

Rectangle

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



23.5366, 0.4715, 0.2391



23.5366, 0.5846, 0.3668



23.5366, 0.1547, 0.4278



23.5366, 0.0975, 0.1917

Sweetspot

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



23.5330, 0.4715, 0.2391



59.5618, 0.3427, 0.2881



11.5625, 0.1961, 0.0869



11.7822, 0.3485, 0.2818



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.



23.5330, 0.4715, 0.2391



23.1128, 0.4813, 0.2425



21.5848, 0.6297, 0.3272



18.1523, 0.3209, 0.3162



12.1075, 0.4780, 0.2407



1.2009, 0.4551, 0.2280

Inverse Universe

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



23.5330, 0.4715, 0.2391



23.1128, 0.4813, 0.2425



78.0585, 0.2292, 0.3437



18.1523, 0.3209, 0.3162



12.1075, 0.4780, 0.2407



1.2009, 0.4551, 0.2280

Previews

White Background



This preview shows how the Yxy color 23.5366, 0.4715, 0.2391 looks on a white background.

Color Contrast Check

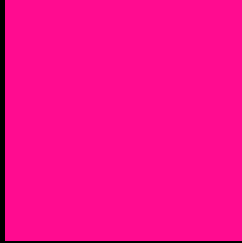
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5366, 0.4715, 0.2391 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 23.5366, 0.4715, 0.2391

Background



This preview shows how black text looks on a background with the Yxy color 23.5366, 0.4715, 0.2391.



This preview shows how white text looks on a background with the Yxy color 23.5366, 0.4715, 0.2391.

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

23.5366, 0.4715, 0.2391

Protanopia

24.1333, 0.2283, 0.2154

Deuteranopia

23.8618, 0.3293, 0.3241



Tritanopia

23.6659, 0.5804, 0.3292

Trichromacy



Original Color

23.5366, 0.4715, 0.2391



Protanomaly

18.0172, 0.2909, 0.1953



Deuteranomaly

19.0616, 0.3854, 0.2608



Tritanomaly

23.0195, 0.5509, 0.2964

Monochromacy



Original Color

23.5366, 0.4715, 0.2391



Achromatopsia

12.7438, 0.3127, 0.3290



Achromatomaly

12.4631, 0.3838, 0.2527

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5366, 0.4715, 0.2391 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, 12, 144)` looks like.

```
.text, #text, p{  
  color:rgb(255, 12, 144)  
}
```

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, 12, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 12, 144) }
```

Border

The CSS property to change the border of an element to Yxy 23.5366, 0.4715, 0.2391 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, 12, 144) }
```

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

```
.border{ border-color:rgb(255, 12, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 12, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 12, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 12, 144);  
box-shadow:4px 4px 4px 4px rgb(255, 12,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5366, 0.4715, 0.2391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 12, 144) }
```

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

```
.background{ background-color: rgb(255, 12,  
144) }
```

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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