

Converting Colors

$Yxy(24.6477, 0.4246, 0.2137)$

Have a look what the booklet for
Yxy(24.6477, 0.4246, 0.2137)
contains.

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Color

Yxy(24.6477, 0.4246, 0.2137)

Conversions

Conversions Part 1

Format	Color
Hex	FF10AD
RGB	255, 16, 173
RGB Percent	100%, 6%, 68%
CMY	0.0000, 0.9375, 0.3215
CMYK	0.00, 0.94, 0.32, 0.00
HSL	321°, 100%, 53%
HSV	321°, 94%, 100%
XYZ	48.9725, 24.6477, 41.7177
YIQ	105.3590, 92.0470, 99.4950

Conversions

Conversions Part 2

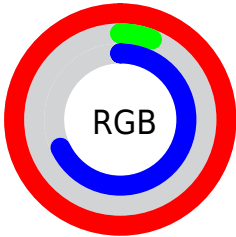
Format	Color
R _Y B	255, 16, 173
Decimal	16715949
CIE Lab	56.73, 87.35, -19.86
CIE LCh	57, 89.580, 347.188
Yxy	24.6477, 0.4246, 0.2137
Android (android.graphics.Color)	4294906029 (0xFFFF10AD)
YUV	105.3590, 33.3470, 131.2352
Hunter-Lab	49.6465, 89.1954, -15.0686

Details

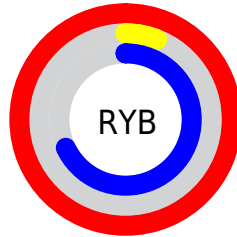
The Yxy color **24.6477, 0.4246, 0.2137** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle washed rose. A complement of this color would be **72.5103, 0.2844, 0.5403**, and the grayscale version is **14.1096, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0203, 0.3443, 0.2109**, and **12.7179, 0.4435, 0.2217** is the 20% darker color. If you saturate the color by 10%, you get **24.0701, 0.4338, 0.2163**, and if you desaturate by 10%, it is **26.2445, 0.4095, 0.2130**.

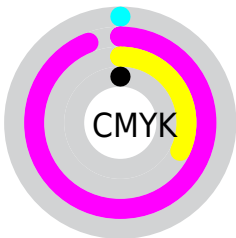
Distribution



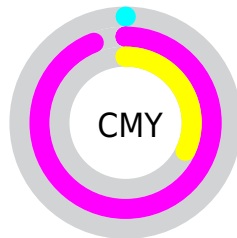
- Red (100%)
- Green (6%)
- Blue (68%)



- Red (100%)
- Yellow (6%)
- Blue (68%)



- Cyan (0%)
- Magenta (94%)
- Yellow (32%)
- Black (0%)



- Cyan (0%)
- Magenta (94%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.6477, 0.4246, 0.2137 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 24.6477, 0.4246, 0.2137 by changing the saturation by 10% instead.


 24.6477, 0.4246,
0.2137


 24.6477, 0.4246,
0.2137


276.0789, 0.3664,
0.2711

 15.8148, 0.4396,
0.1997


 51.0851, 0.4030,
0.2344

 9.3932, 0.4592,
0.1821

 69.4584, 0.3951,
0.2422


 4.9985, 0.4854,
0.1594


 91.7806, 0.3884,
0.2488

 2.2464, 0.5222,
0.1294

 118.4361, 0.3827,
0.2546

 0.7451, 0.5770,
0.0888

 149.8092, 0.3778,
0.2595

 0.0000, 0.6874,
0.0000

186.2845, 0.3735,

 0.0000, 1.0000,

0.2639

0.0000

228.2463, 0.3698,
0.2677

■ 0.0000, 0.0000,
0.0000

■ 24.6477, 0.4246,
0.2137

■ 24.6477, 0.4246,
0.2137

■ 24.0701, 0.4338,
0.2163


■ 26.2445, 0.4095,
0.2130

■ 29.0080, 0.3942,
0.2174


■ 33.1274, 0.3792,
0.2265

■ 38.7586, 0.3650,
0.2394

■ 46.0362, 0.3522,
0.2548

 55.0797, 0.3407,
0.2717

 65.9975, 0.3308,
0.2891

 78.8892, 0.3223,
0.3064

 93.8474, 0.3151,
0.3230

Harmonies

Analogous

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



24.6477, 0.2691, 0.1600



24.6477, 0.4246, 0.2137



24.6477, 0.5610, 0.2861

Triad

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



24.6477, 0.4246, 0.2137



24.6477, 0.4135, 0.5668



24.6477, 0.0929, 0.1869

Complementary

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



24.6477, 0.4246, 0.2137



72.5103, 0.2844, 0.5403

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.



24.6477, 0.1107, 0.3031



24.6477, 0.4246, 0.2137



24.6477, 0.2901, 0.6182

Square

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



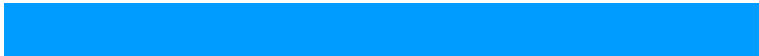
24.6477, 0.4246, 0.2137



24.6477, 0.5260, 0.4603



24.6477, 0.1779, 0.4985



24.6477, 0.1100, 0.1409

Rectangle

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



24.6477, 0.4246, 0.2137



24.6477, 0.5944, 0.3380



24.6477, 0.1779, 0.4985



24.6477, 0.0945, 0.2158

Sweetspot

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



24.6467, 0.4246, 0.2137



61.1170, 0.3348, 0.2817



10.0560, 0.1793, 0.0783



12.0985, 0.3392, 0.2742



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.



24.6467, 0.4246, 0.2137



24.0701, 0.4338, 0.2163



21.9125, 0.6039, 0.3141



18.1883, 0.3191, 0.3135



12.6063, 0.4315, 0.2150



1.2480, 0.4155, 0.2063

Inverse Universe

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



24.6467, 0.4246, 0.2137



24.0701, 0.4338, 0.2163



76.5441, 0.2396, 0.3800



18.1883, 0.3191, 0.3135



12.6063, 0.4315, 0.2150



1.2480, 0.4155, 0.2063

Previews

White Background



This preview shows how the Yxy color 24.6477, 0.4246, 0.2137 looks on a white background.

Color Contrast Check

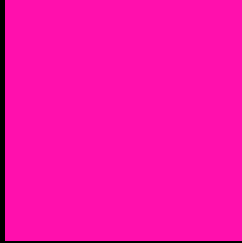
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.6477, 0.4246, 0.2137 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 24.6477, 0.4246, 0.2137

Background



This preview shows how black text looks on a background with the Yxy color 24.6477, 0.4246, 0.2137.



This preview shows how white text looks on a background with the Yxy color 24.6477, 0.4246, 0.2137.

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

24.6477, 0.4246, 0.2137

Protanopia

25.2679, 0.1980, 0.1750

Deuteranopia

25.0267, 0.2902, 0.2855



Tritanopia

24.6806, 0.5574, 0.3275

Trichromacy



Original Color

24.6477, 0.4246, 0.2137



Protanomaly

18.5378, 0.2441, 0.1599



Deuteranomaly

20.0225, 0.3381, 0.2288



Tritanomaly

23.8946, 0.5179, 0.2833

Monochromacy



Original Color

24.6477, 0.4246, 0.2137



Achromatopsia

14.1263, 0.3127, 0.3290



Achromatomaly

13.8504, 0.3640, 0.2411

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.6477, 0.4246, 0.2137 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, 16, 173)` looks like.

```
.text, #text, p{  
    color:rgb(255, 16, 173)  
}
```

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, 16, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 16, 173) }
```

Border

The CSS property to change the border of an element to Yxy 24.6477, 0.4246, 0.2137 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, 16, 173) }
```

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

```
.border{ border-color:rgb(255, 16, 173) }
```

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

Here you see how a box with a 4 pixel rgb(255, 16, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 16, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 16, 173);  
box-shadow:4px 4px 4px 4px rgb(255, 16,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 24.6477, 0.4246, 0.2137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 16, 173) }
```

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

```
.background{ background-color: rgb(255, 16,  
173) }
```

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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