

Converting Colors

$Y_{xy}(22.3114, 0.4641, 0.2050)$

Have a look what the booklet for
Yxy(22.3114, 0.4641, 0.2050)
contains.

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Color

Yxy(23.8686, 0.4426, 0.2212)

Conversions

Conversions Part 1

Format	Color
Hex	FF00A2
RGB	255, 0, 162
RGB Percent	100%, 0%, 64%
CMY	0.0001, 0.9994, 0.3647
CMYK	0.00, 1.00, 0.36, 0.00
HSL	322°, 100%, 50%
HSV	322°, 100%, 100%
XYZ	47.7588, 23.8686, 36.2777
YIQ	94.7130, 99.9780, 104.4420

Conversions

Conversions Part 2

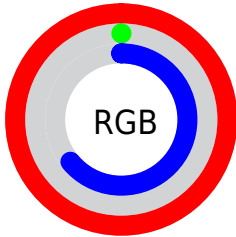
Format	Color
R_{YB}	255, 0, 162
Decimal	16711842
CIE _{Lab}	55.96, 87.35, -14.59
CIE _{LCh}	56, 88.559, 350.518
Yxy	23.8686, 0.4426, 0.2212
Android (android.graphics.Color)	4294901922 (0xFFFF00A2)
YUV	94.7130, 33.1725, 140.5717
Hunter-Lab	48.8555, 88.9959, -9.8270

Details

The Yxy color **23.8686, 0.4426, 0.2212** 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 **72.3053, 0.2850, 0.5461**, and the grayscale version is **11.2954, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.5771, 0.3575, 0.2177**, and **12.3323, 0.4657, 0.2339** is the 20% darker color. If you saturate the color by 10%, you get **23.8645, 0.4427, 0.2212**, and if you desaturate by 10%, it is **24.9334, 0.4265, 0.2171**.

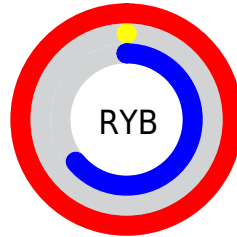
Distribution



Red (100%)

Green (0%)

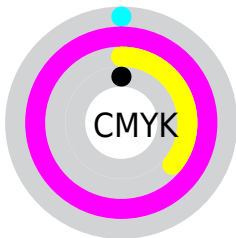
Blue (64%)



Red (100%)

Yellow (0%)

Blue (64%)

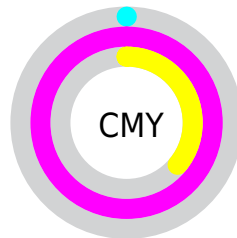


Cyan (0%)

Magenta (100%)

Yellow (36%)

Black (0%)



Cyan (0%)

Magenta (100%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8686, 0.4426, 0.2212 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 23.8686, 0.4426, 0.2212 by changing the saturation by 10% instead.


 23.8686, 0.4426,
0.2212


 23.8686, 0.4426,
0.2212


272.1555, 0.3737,
0.2761


 15.2362, 0.4609,
0.2075


 49.8157, 0.4167,
0.2412

 8.9853, 0.4849,
0.1899


 67.8991, 0.4073,
0.2487


 4.7316, 0.5176,
0.1670


 89.9017, 0.3994,
0.2551

 2.0907, 0.5643,
0.1360

 116.2079, 0.3927,
0.2605

 0.6594, 0.6360,
0.0915

 147.2019, 0.3869,
0.2652

 0.0000, 0.7928,
0.0000

183.2682, 0.3819,

 0.0000, 1.0000,

0.2693

0.0000

224.7913, 0.3776,
0.2729

■ 0.0000, 0.0000,
0.0000

■ 23.8686, 0.4426,
0.2212

■ 23.8686, 0.4426,
0.2212

■ 23.8645, 0.4427,
0.2212

■ 24.9334, 0.4265,
0.2171

■ 26.9592, 0.4100,
0.2179

■ 30.2311, 0.3935,
0.2238

■ 34.9240, 0.3776,
0.2341

■ 41.1849, 0.3629,
0.2476

■ 49.1419, 0.3497,
0.2632

■ 58.9101, 0.3381,
0.2799

■ 70.5944, 0.3282,
0.2968

■ 84.2916, 0.3198,
0.3133

Harmonies

Analogous

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



23.8686, 0.2844, 0.1646



23.8686, 0.4426, 0.2212



23.8686, 0.5701, 0.2946

Triad

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



23.8686, 0.4426, 0.2212



23.8686, 0.3999, 0.5772



23.8686, 0.0933, 0.1791

Complementary

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



23.8686, 0.4426, 0.2212



72.3053, 0.2850, 0.5461

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.



23.8686, 0.1067, 0.2856



23.8686, 0.4426, 0.2212



23.8686, 0.2767, 0.6143

Square

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



23.8686, 0.4426, 0.2212



23.8686, 0.5152, 0.4722



23.8686, 0.1678, 0.4761



23.8686, 0.1141, 0.1387

Rectangle

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



23.8686, 0.4426, 0.2212



23.8686, 0.5947, 0.3471



23.8686, 0.1678, 0.4761



23.8686, 0.0936, 0.2053

Sweetspot

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



23.8700, 0.4426, 0.2212



58.8511, 0.3382, 0.2798



9.3636, 0.1751, 0.0738



11.6672, 0.3429, 0.2727



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.



23.8700, 0.4426, 0.2212



23.8673, 0.4427, 0.2212



21.4033, 0.6226, 0.3204



18.1813, 0.3194, 0.3140



12.5009, 0.4401, 0.2198



1.2382, 0.4229, 0.2103

Inverse Universe

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



23.8700, 0.4426, 0.2212



23.8673, 0.4427, 0.2212



76.5100, 0.2383, 0.3779



18.1813, 0.3194, 0.3140



12.5009, 0.4401, 0.2198



1.2382, 0.4229, 0.2103

Previews

White Background



This preview shows how the Yxy color 23.8686, 0.4426, 0.2212 looks on a white background.

Color Contrast Check

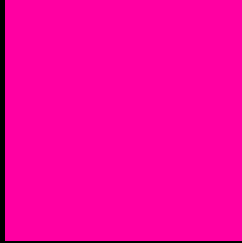
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8686, 0.4426, 0.2212 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 23.8686, 0.4426, 0.2212

Background



This preview shows how black text looks on a background with the Yxy color 23.8686, 0.4426, 0.2212.



This preview shows how white text looks on a background with the Yxy color 23.8686, 0.4426, 0.2212.

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

23.8686, 0.4426, 0.2212

Protanopia

24.6040, 0.2071, 0.1871

Deuteranopia

24.3996, 0.3031, 0.2979



Tritanopia

24.1999, 0.5683, 0.3284

Trichromacy



Original Color

23.8686, 0.4426, 0.2212



Protanomaly

17.4250, 0.2576, 0.1650



Deuteranomaly

18.6523, 0.3541, 0.2327



Tritanomaly

23.0347, 0.5335, 0.2863

Monochromacy



Original Color

23.8686, 0.4426, 0.2212



Achromatopsia

11.4435, 0.3127, 0.3290



Achromatomaly

11.4417, 0.3756, 0.2370

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8686, 0.4426, 0.2212 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, 162)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 162)  
}
```

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, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 162) }
```

Border

The CSS property to change the border of an element to Yxy 23.8686, 0.4426, 0.2212 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, 162) }
```

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

```
.border{ border-color:rgb(255, 0, 162) }
```

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, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 162);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8686, 0.4426, 0.2212 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, 162) }
```

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

```
.background{ background-color: rgb(255, 0,  
162) }
```

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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