

Converting Colors

$Y_{xy}(24.5578, 0.4225, 0.2116)$

Have a look what the booklet for
Yxy(24.5578, 0.4225, 0.2116)
contains.

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Color

Yxy(24.5722, 0.4218, 0.2112)

Conversions

Conversions Part 1

Format	Color
Hex	FF0AAF
RGB	255, 10, 175
RGB Percent	100%, 4%, 69%
CMY	0.0001, 0.9592, 0.3138
CMYK	0.00, 0.96, 0.31, 0.00
HSL	320°, 100%, 52%
HSV	320°, 96%, 100%
XYZ	49.0746, 24.5722, 42.6989
YIQ	102.0650, 93.0550, 103.2550

Conversions

Conversions Part 2

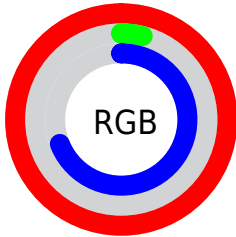
Format	Color
R_{YB}	255, 10, 175
Decimal	16714415
CIE _{Lab}	56.66, 87.95, -21.12
CIE _{LCh}	57, 90.449, 346.495
Yxy	24.5722, 0.4218, 0.2112
Android (android.graphics.Color)	4294904495 (0xFFFF0AAF)
YUV	102.0650, 35.9570, 134.1240
Hunter-Lab	49.5704, 89.9667, -16.3719

Details

The Yxy color **24.5722, 0.4218, 0.2112** 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 **72.3103, 0.2864, 0.5487**, and the grayscale version is **13.2541, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7300, 0.3424, 0.2078**, and **12.7426, 0.4415, 0.2206** is the 20% darker color. If you saturate the color by 10%, you get **24.2153, 0.4275, 0.2128**, and if you desaturate by 10%, it is **25.9417, 0.4077, 0.2097**.

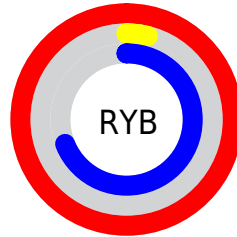
Distribution



Red (100%)

Green (4%)

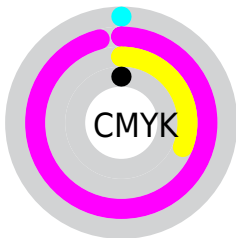
Blue (69%)



Red (100%)

Yellow (4%)

Blue (69%)

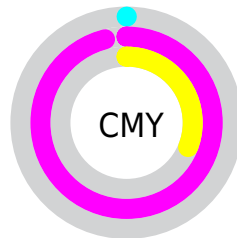


Cyan (0%)

Magenta (96%)

Yellow (31%)

Black (0%)



Cyan (0%)

Magenta (96%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.5722, 0.4218, 0.2112 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 24.5722, 0.4218, 0.2112 by changing the saturation by 10% instead.


 24.5722, 0.4218,
0.2112

 24.5722, 0.4218,
0.2112


275.7007, 0.3653,
0.2696


 15.7586, 0.4363,
0.1971


 50.9624, 0.4009,
0.2322


 9.3535, 0.4551,
0.1793


 69.3077, 0.3932,
0.2401

 4.9725, 0.4803,
0.1564


 91.5991, 0.3867,
0.2469

 2.2311, 0.5155,
0.1264

 118.2210, 0.3811,
0.2527

 0.7369, 0.5676,
0.0860

 149.5577, 0.3764,
0.2578

 0.0000, 0.6712,
0.0000

185.9936, 0.3722,

 0.0000, 1.0000,

0.2622

0.0000

227.9131, 0.3686,
0.2661

■ 0.0000, 0.0000,
0.0000

■ 24.5722, 0.4218,
0.2112

■ 24.5722, 0.4218,
0.2112

■ 24.2153, 0.4275,
0.2128

■ 25.9417, 0.4077,
0.2097

■ 28.4249, 0.3933,
0.2134

■ 32.2240, 0.3791,
0.2219

■ 37.5007, 0.3655,
0.2343

■ 44.3935, 0.3530,
0.2496

■ 53.0247, 0.3418,
0.2666

■ 63.5046, 0.3320,
0.2843

■ 75.9348, 0.3236,
0.3020

■ 90.4089, 0.3164,
0.3192

Harmonies

Analogous

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



24.5722, 0.2655, 0.1579



24.5722, 0.4218, 0.2112



24.5722, 0.5612, 0.2836

Triad

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



24.5722, 0.4218, 0.2112



24.5722, 0.4162, 0.5661



24.5722, 0.0915, 0.1872

Complementary

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



24.5722, 0.4218, 0.2112



72.3103, 0.2864, 0.5487

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.



24.5722, 0.1101, 0.3063



24.5722, 0.4218, 0.2112



24.5722, 0.2920, 0.6219

Square

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



24.5722, 0.4218, 0.2112



24.5722, 0.5294, 0.4579



24.5722, 0.1786, 0.5052



24.5722, 0.1080, 0.1401

Rectangle

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



24.5722, 0.4218, 0.2112



24.5722, 0.5966, 0.3355



24.5722, 0.1786, 0.5052



24.5722, 0.0933, 0.2169

Sweetspot

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



24.5736, 0.4218, 0.2112



60.0869, 0.3349, 0.2788



9.5115, 0.1747, 0.0749



11.9080, 0.3391, 0.2712



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.



24.5736, 0.4218, 0.2112



24.2228, 0.4275, 0.2128



21.7578, 0.6055, 0.3134



18.1934, 0.3188, 0.3131



12.6856, 0.4253, 0.2116



1.2553, 0.4103, 0.2034

Inverse Universe

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



24.5736, 0.4218, 0.2112



24.2228, 0.4275, 0.2128



76.2248, 0.2412, 0.3869



18.1934, 0.3188, 0.3131



12.6856, 0.4253, 0.2116



1.2553, 0.4103, 0.2034

Previews

White Background



This preview shows how the Yxy color 24.5722, 0.4218, 0.2112 looks on a white background.

Color Contrast Check

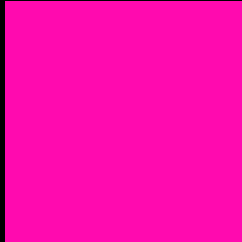
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.5722, 0.4218, 0.2112 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 24.5722, 0.4218, 0.2112

Background



This preview shows how black text looks on a background with the Yxy color 24.5722, 0.4218, 0.2112.



This preview shows how white text looks on a background with the Yxy color 24.5722, 0.4218, 0.2112.

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

24.5722, 0.4218, 0.2112

Protanopia

25.2769, 0.1953, 0.1720

Deuteranopia

25.0129, 0.2873, 0.2823



Tritanopia

24.6806, 0.5574, 0.3275

Trichromacy



Original Color

24.5722, 0.4218, 0.2112



Protanomaly

18.0930, 0.2389, 0.1544



Deuteranomaly

19.6381, 0.3345, 0.2236



Tritanomaly

23.7273, 0.5186, 0.2822

Monochromacy



Original Color

24.5722, 0.4218, 0.2112



Achromatopsia

13.2868, 0.3127, 0.3290



Achromatomaly

13.1103, 0.3636, 0.2361

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.5722, 0.4218, 0.2112 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, 175)` looks like.

```
.text, #text, p{  
    color:rgb(255, 10, 175)  
}
```

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, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 10, 175) }
```

Border

The CSS property to change the border of an element to Yxy 24.5722, 0.4218, 0.2112 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, 175) }
```

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

```
.border{ border-color:rgb(255, 10, 175) }
```

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, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 10, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 10, 175);  
box-shadow:4px 4px 4px 4px rgb(255, 10,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 24.5722, 0.4218, 0.2112 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, 175) }
```

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

```
.background{ background-color: rgb(255, 10,  
175) }
```

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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