

Converting Colors

$Y_{xy}(24.1222, 0.4407, 0.2217)$

Have a look what the booklet for
Yxy(24.1222, 0.4407, 0.2217)
contains.

Yxy(24.1214, 0.4406, 0.2216)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.1214, 0.4406, 0.2216)

Conversions

Conversions Part 1

Format	Color
Hex	FF0AA3
RGB	255, 10, 163
RGB Percent	100%, 4%, 64%
CMY	0.0000, 0.9606, 0.3609
CMYK	0.00, 0.96, 0.36, 0.00
HSL	323°, 100%, 52%
HSV	323°, 96%, 100%
XYZ	47.9598, 24.1214, 36.7699
YIQ	100.6970, 96.9070, 99.5230

Conversions

Conversions Part 2

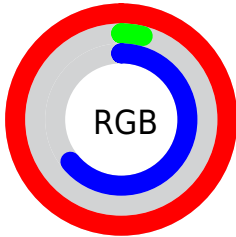
Format	Color
R_{YB}	255, 10, 163
Decimal	16714403
CIE _{Lab}	56.21, 86.81, -14.78
CIE _{LCh}	56, 88.063, 350.340
Yxy	24.1214, 0.4406, 0.2216
Android (android.graphics.Color)	4294904483 (0xFFFF0AA3)
YUV	100.6970, 30.7154, 135.3237
Hunter-Lab	49.1135, 88.3581, -10.0092

Details

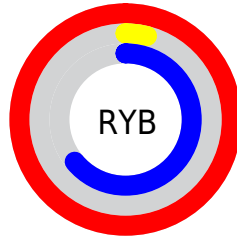
The Yxy color **24.1214, 0.4406, 0.2216** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **72.5452, 0.2828, 0.5358**, and the grayscale version is **12.8377, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.0225, 0.3561, 0.2184**, and **12.3542, 0.4635, 0.2327** is the 20% darker color. If you saturate the color by 10%, you get **23.7706, 0.4471, 0.2237**, and if you desaturate by 10%, it is **25.4940, 0.4237, 0.2189**.

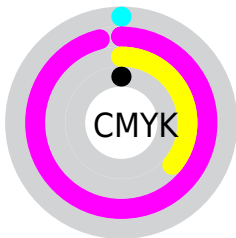
Distribution



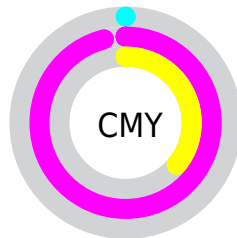
- Red (100%)
- Green (4%)
- Blue (64%)



- Red (100%)
- Yellow (4%)
- Blue (64%)



- Cyan (0%)
- Magenta (96%)
- Yellow (36%)
- Black (0%)





- Cyan (0%)
- Magenta (96%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.1214, 0.4406, 0.2216 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 24.1214, 0.4406, 0.2216 by changing the saturation by 10% instead.


 24.1214, 0.4406,
0.2216


 24.1214, 0.4406,
0.2216


273.4337, 0.3729,
0.2762


 15.4237, 0.4585,
0.2080


 50.2282, 0.4152,
0.2415


 9.1173, 0.4820,
0.1906


 68.4062, 0.4059,
0.2490

 4.8178, 0.5141,
0.1678


 90.5129, 0.3981,
0.2553

 2.1407, 0.5597,
0.1372

 116.9330, 0.3915,
0.2607

 0.6874, 0.6296,
0.0936

 148.0507, 0.3859,
0.2653

 0.0000, 0.7816,
0.0000

184.2504, 0.3810,

 0.0000, 1.0000,

0.2694

0.0000

225.9166, 0.3767,
0.2730

■ 0.0000, 0.0000,
0.0000

■ 24.1214, 0.4406,
0.2216

■ 24.1214, 0.4406,
0.2216

■ 23.7706, 0.4471,
0.2237

■ 25.4940, 0.4237,
0.2189

■ 27.9846, 0.4065,
0.2214

■ 31.7949, 0.3895,
0.2289

■ 37.0875, 0.3735,
0.2404

■ 44.0012, 0.3589,
0.2547

■ 52.6588, 0.3459,
0.2706

■ 63.1712, 0.3347,
0.2871

■ 75.6399, 0.3251,
0.3037

■ 90.1591, 0.3170,
0.3197

Harmonies

Analogous

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



24.1214, 0.2839, 0.1654



24.1214, 0.4406, 0.2216



24.1214, 0.5676, 0.2948

Triad

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



24.1214, 0.4406, 0.2216



24.1214, 0.4008, 0.5753



24.1214, 0.0945, 0.1807

Complementary

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



24.1214, 0.4406, 0.2216



72.5452, 0.2828, 0.5358

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.



24.1214, 0.1082, 0.2871



24.1214, 0.4406, 0.2216



24.1214, 0.2783, 0.6118

Square

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



24.1214, 0.4406, 0.2216



24.1214, 0.5149, 0.4713



24.1214, 0.1696, 0.4758



24.1214, 0.1150, 0.1399

Rectangle

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



24.1214, 0.4406, 0.2216



24.1214, 0.5927, 0.3471



24.1214, 0.1696, 0.4758



24.1214, 0.0949, 0.2069

Sweetspot

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



24.1216, 0.4406, 0.2216



59.8864, 0.3378, 0.2823



10.1390, 0.1816, 0.0787



11.8598, 0.3426, 0.2752



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.



24.1216, 0.4406, 0.2216



23.7706, 0.4471, 0.2237



21.6501, 0.6175, 0.3200



18.1779, 0.3196, 0.3143



12.4506, 0.4445, 0.2222



1.2335, 0.4266, 0.2124

Inverse Universe

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



24.1216, 0.4406, 0.2216



23.7706, 0.4471, 0.2237



76.8768, 0.2366, 0.3703



18.1779, 0.3196, 0.3143



12.4506, 0.4445, 0.2222



1.2335, 0.4266, 0.2124

Previews

White Background



This preview shows how the Yxy color 24.1214, 0.4406, 0.2216 looks on a white background.

Color Contrast Check

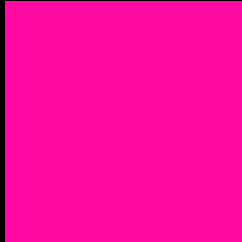
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.1214, 0.4406, 0.2216 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 24.1214, 0.4406, 0.2216

Background



This preview shows how black text looks on a background with the Yxy color 24.1214, 0.4406, 0.2216.



This preview shows how white text looks on a background with the Yxy color 24.1214, 0.4406, 0.2216.

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

24.1214, 0.4406, 0.2216

Protanopia

24.6610, 0.2067, 0.1862

Deuteranopia

24.4322, 0.3021, 0.2963



Tritanopia

24.3256, 0.5665, 0.3283

Trichromacy



Original Color

24.1214, 0.4406, 0.2216



Protanomaly

18.1128, 0.2572, 0.1685



Deuteranomaly

19.3248, 0.3520, 0.2363



Tritanomaly

23.3453, 0.5306, 0.2873

Monochromacy



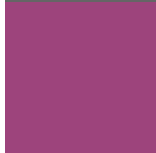
Original Color

24.1214, 0.4406, 0.2216



Achromatopsia

13.0136, 0.3127, 0.3290



Achromatomaly

12.7576, 0.3709, 0.2413

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.1214, 0.4406, 0.2216 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, 163)` looks like.

```
.text, #text, p{  
    color:rgb(255, 10, 163)  
}
```

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, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 10, 163) }
```

Border

The CSS property to change the border of an element to Yxy 24.1214, 0.4406, 0.2216 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, 163) }
```

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

```
.border{ border-color:rgb(255, 10, 163) }
```

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, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 10, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 10, 163);  
box-shadow:4px 4px 4px 4px rgb(255, 10,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 24.1214, 0.4406, 0.2216 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, 163) }
```

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

```
.background{ background-color: rgb(255, 10,  
163) }
```

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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