

Converting Colors

$Yxy(24.9382, 0.4478, 0.2329)$

Have a look what the booklet for
Yxy(24.9382, 0.4478, 0.2329)
contains.

Yxy(24.9561, 0.4478, 0.2330)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.9561, 0.4478, 0.2330)

Conversions

Conversions Part 1

Format	Color
Hex	FF249D
RGB	255, 36, 157
RGB Percent	100%, 14%, 62%
CMY	0.0000, 0.8590, 0.3843
CMYK	0.00, 0.86, 0.38, 0.00
HSL	327°, 100%, 57%
HSV	327°, 86%, 100%
XYZ	47.9628, 24.9561, 34.1888
YIQ	115.2750, 91.6830, 84.0590

Conversions

Conversions Part 2

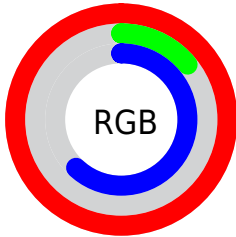
Format	Color
RYB	255, 36, 157
Decimal	16721053
CIELab	57.03, 83.27, -10.02
CIELCh	57, 83.874, 353.140
Yxy	24.9561, 0.4478, 0.2330
Android (android.graphics.Color)	4294911133 (0xFFFF249D)
YUV	115.2750, 20.5704, 122.5388
Hunter-Lab	49.9561, 83.9547, -5.6074

Details

The Yxy color **24.9561, 0.4478, 0.2330** 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 **73.6141, 0.2737, 0.4941**, and the grayscale version is **17.1387, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.3823, 0.3617, 0.2299**, and **12.2471, 0.4744, 0.2387** is the 20% darker color. If you saturate the color by 10%, you get **23.5498, 0.4689, 0.2374**, and if you desaturate by 10%, it is **27.4887, 0.4261, 0.2341**.

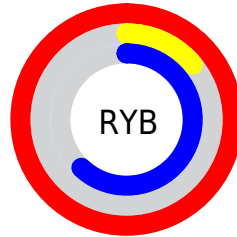
Distribution



Red (100%)

Green (14%)

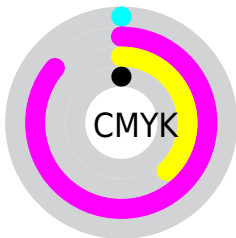
Blue (62%)



Red (100%)

Yellow (14%)

Blue (62%)

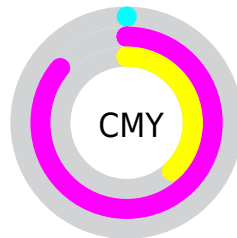


Cyan (0%)

Magenta (86%)

Yellow (38%)

Black (0%)



Cyan (0%)


Magenta (86%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.9561, 0.4478, 0.2330 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 24.9561, 0.4478, 0.2330 by changing the saturation by 10% instead.


 24.9561, 0.4478,
0.2330


 24.9561, 0.4478,
0.2330


277.6192, 0.3758,
0.2825


 16.0444, 0.4671,
0.2203


 51.5860, 0.4206,
0.2513


 9.5555, 0.4925,
0.2040


 70.0729, 0.4107,
0.2580

 5.1053, 0.5273,
0.1824


 92.5204, 0.4025,
0.2638

 2.3092, 0.5773,
0.1526

 119.3128, 0.3955,
0.2686

 0.7786, 0.6535,
0.1100

 150.8344, 0.3895,
0.2728

 0.0000, 0.8575,
0.0000

187.4698, 0.3843,

 0.0000, 1.0000,

0.2765

0.0000

229.6033, 0.3798,
0.2797

■ 0.0000, 0.0000,
0.0000

■ 24.9561, 0.4478,
0.2330

■ 24.9561, 0.4478,
0.2330

■ 23.5498, 0.4689,
0.2374

■ 27.4887, 0.4261,
0.2341

■ 23.1807, 0.4774,
0.2404

■ 31.3569, 0.4049,
0.2402


■ 36.7204, 0.3851,
0.2502

■ 43.7182, 0.3672,
0.2629

■ 52.4732, 0.3516,
0.2772

 63.0963, 0.3382,
0.2920

 75.6895, 0.3269,
0.3068

 90.3470, 0.3175,
0.3210

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



24.9561, 0.2987, 0.1760



24.9561, 0.4478, 0.2330



24.9561, 0.5605, 0.3056

Triad

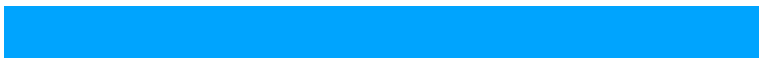
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



24.9561, 0.4478, 0.2330



24.9561, 0.3908, 0.5729



24.9561, 0.1028, 0.1823

Complementary

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



24.9561, 0.4478, 0.2330



73.6141, 0.2737, 0.4941

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.



24.9561, 0.1137, 0.2781



24.9561, 0.4478, 0.2330



24.9561, 0.2726, 0.5887

Square

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



24.9561, 0.4478, 0.2330



24.9561, 0.5004, 0.4793



24.9561, 0.1698, 0.4490



24.9561, 0.1258, 0.1459

Rectangle

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



24.9561, 0.4478, 0.2330



24.9561, 0.5794, 0.3577



24.9561, 0.1698, 0.4490



24.9561, 0.1024, 0.2060

Sweetspot

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



24.9534, 0.4478, 0.2330



62.9810, 0.3384, 0.2919



13.2942, 0.2045, 0.0970



12.6477, 0.3428, 0.2867



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.



24.9534, 0.4478, 0.2330



23.1807, 0.4774, 0.2404



22.7541, 0.6027, 0.3230



18.1551, 0.3207, 0.3159



12.1430, 0.4741, 0.2386



1.2043, 0.4518, 0.2263

Inverse Universe

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



24.9534, 0.4478, 0.2330



23.1807, 0.4774, 0.2404



78.2091, 0.2317, 0.3467



18.1551, 0.3207, 0.3159



12.1430, 0.4741, 0.2386



1.2043, 0.4518, 0.2263

Previews

White Background



This preview shows how the Yxy color 24.9561, 0.4478, 0.2330 looks on a white background.

Color Contrast Check

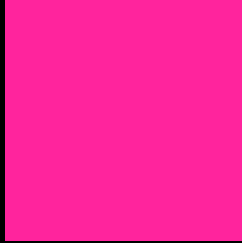
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.9561, 0.4478, 0.2330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

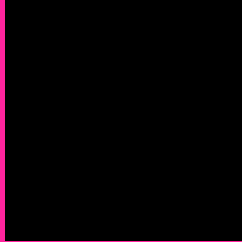
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.9561, 0.4478, 0.2330

Background



This preview shows how black text looks on a background with the Yxy color 24.9561, 0.4478, 0.2330.



This preview shows how white text looks on a background with the Yxy color 24.9561, 0.4478, 0.2330.

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

24.9561, 0.4478, 0.2330

Protanopia

25.4457, 0.2214, 0.2065

Deuteranopia

24.9614, 0.3137, 0.3079



Tritanopia

25.0481, 0.5586, 0.3275

Trichromacy



Original Color

24.9561, 0.4478, 0.2330



Protanomaly

20.3828, 0.2783, 0.1961



Deuteranomaly

21.3765, 0.3634, 0.2579



Tritanomaly

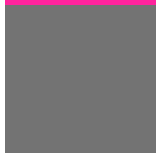
24.6010, 0.5250, 0.2932

Monochromacy



Original Color

24.9561, 0.4478, 0.2330



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

16.3743, 0.3692, 0.2619

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9561, 0.4478, 0.2330 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, 36, 157)` looks like.

```
.text, #text, p{  
    color:rgb(255, 36, 157)  
}
```

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, 36, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 36, 157) }
```

Border

The CSS property to change the border of an element to Yxy 24.9561, 0.4478, 0.2330 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, 36, 157) }
```

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

```
.border{ border-color:rgb(255, 36, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 36, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 36, 157); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 36, 157); box-shadow:4px 4px 4px 4px rgb(255, 36, 157) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9561, 0.4478, 0.2330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 36, 157) }
```

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

```
.background{ background-color: rgb(255, 36,  
157) }
```

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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