

Converting Colors

$Yxy(47.7707, 0.5083, 0.2604)$

Have a look what the booklet for
Yxy(47.7707, 0.5083, 0.2604)
contains.

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Color

Yxy(24.9011, 0.4285, 0.2184)

Conversions

Conversions Part 1

Format	Color
Hex	FF1AAA
RGB	255, 26, 170
RGB Percent	100%, 10%, 67%
CMY	0.0001, 0.8974, 0.3334
CMYK	0.00, 0.90, 0.33, 0.00
HSL	322°, 100%, 55%
HSV	322°, 90%, 100%
XYZ	48.8559, 24.9011, 40.2591
YIQ	110.8870, 90.2600, 93.3320

Conversions

Conversions Part 2

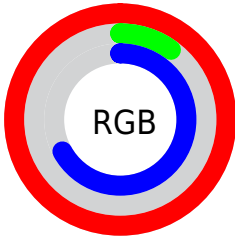
Format	Color
RYB	255, 26, 170
Decimal	16718506
CIELab	56.98, 85.96, -17.72
CIElCh	57, 87.768, 348.351
Yxy	24.9011, 0.4285, 0.2184
Android (android.graphics.Color)	4294908586 (0xFFFF1AAA)
YUV	110.8870, 29.1427, 126.3871
Hunter-Lab	49.9010, 87.4347, -12.9032

Details

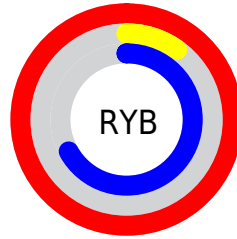
The Yxy color **24.9011, 0.4285, 0.2184** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle washed rose. A complement of this color would be **72.8722, 0.2810, 0.5242**, and the grayscale version is **15.7841, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2116, 0.3482, 0.2157**, and **12.6455, 0.4499, 0.2252** is the 20% darker color. If you saturate the color by 10%, you get **23.8251, 0.4449, 0.2226**, and if you desaturate by 10%, it is **26.9541, 0.4116, 0.2191**.

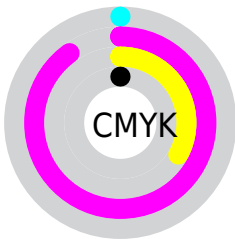
Distribution



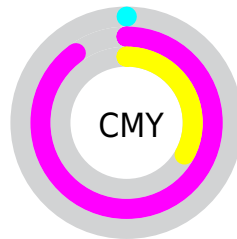
- Red (100%)
- Green (10%)
- Blue (67%)



- Red (100%)
- Yellow (10%)
- Blue (67%)



- Cyan (0%)
- Magenta (90%)
- Yellow (33%)
- Black (0%)





- Cyan (0%)
- Magenta (90%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.9011, 0.4285, 0.2184 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 24.9011, 0.4285, 0.2184 by changing the saturation by 10% instead.


 24.9011, 0.4285,
0.2184

 24.9011, 0.4285,
0.2184


277.3451, 0.3680,
0.2738


 16.0034, 0.4443,
0.2048


 51.4967, 0.4060,
0.2384


 9.5265, 0.4648,
0.1875


 69.9634, 0.3977,
0.2460


 5.0862, 0.4926,
0.1652


 92.3886, 0.3907,
0.2524

 2.2979, 0.5318,
0.1354

 119.1566, 0.3848,
0.2579

 0.7726, 0.5905,
0.0948

 150.6519, 0.3797,
0.2627

 0.0000, 0.7129,
0.0000

187.2588, 0.3753,

 0.0000, 1.0000,

0.2669

0.0000

229.3617, 0.3714,
0.2706

■ 0.0000, 0.0000,
0.0000

■ 24.9011, 0.4285,
0.2184

■ 24.9011, 0.4285,
0.2184

■ 23.8251, 0.4449,
0.2226

■ 26.9541, 0.4116,
0.2191

■ 23.8016, 0.4454,
0.2227

■ 30.2563, 0.3947,
0.2250

■ 34.9835, 0.3784,
0.2352

■ 41.2820, 0.3635,
0.2487

■ 49.2798, 0.3501,
0.2642

■ 59.0917, 0.3383,
0.2807

■ 70.8223, 0.3283,
0.2974

■ 84.5684, 0.3197,
0.3138

99.9939, 0.3127,
0.3290

Harmonies

Analogous

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



24.9011, 0.2754, 0.1642



24.9011, 0.4285, 0.2184



24.9011, 0.5590, 0.2906

Triad

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



24.9011, 0.4285, 0.2184



24.9011, 0.4091, 0.5671



24.9011, 0.0961, 0.1870

Complementary

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



24.9011, 0.4285, 0.2184



72.8722, 0.2810, 0.5242

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.



24.9011, 0.1126, 0.2982



24.9011, 0.4285, 0.2184



24.9011, 0.2875, 0.6100

Square

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



24.9011, 0.4285, 0.2184



24.9011, 0.5199, 0.4641



24.9011, 0.1775, 0.4865



24.9011, 0.1143, 0.1430

Rectangle

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



24.9011, 0.4285, 0.2184



24.9011, 0.5894, 0.3425



24.9011, 0.1775, 0.4865



24.9011, 0.0973, 0.2148

Sweetspot

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



24.9025, 0.4285, 0.2184



62.1222, 0.3354, 0.2853



11.2836, 0.1889, 0.0857



12.4960, 0.3391, 0.2796



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.



24.9025, 0.4285, 0.2184



23.8084, 0.4454, 0.2227



22.2926, 0.6002, 0.3161



18.1792, 0.3195, 0.3142



12.4702, 0.4428, 0.2213



1.2353, 0.4251, 0.2116

Inverse Universe

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



24.9025, 0.4285, 0.2184



23.8084, 0.4454, 0.2227



77.1282, 0.2367, 0.3674



18.1792, 0.3195, 0.3142



12.4702, 0.4428, 0.2213



1.2353, 0.4251, 0.2116

Previews

White Background



This preview shows how the Yxy color 24.9011, 0.4285, 0.2184 looks on a white background.

Color Contrast Check

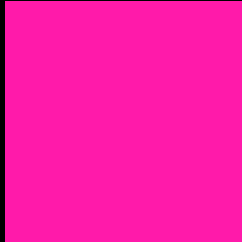
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.9011, 0.4285, 0.2184 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 24.9011, 0.4285, 0.2184

Background



This preview shows how black text looks on a background with the Yxy color 24.9011, 0.4285, 0.2184.



This preview shows how white text looks on a background with the Yxy color 24.9011, 0.4285, 0.2184.

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

24.9011, 0.4285, 0.2184

Protanopia

25.5151, 0.2036, 0.1824

Deuteranopia

25.1288, 0.2941, 0.2887



Tritanopia

25.0011, 0.5561, 0.3274

Trichromacy



Original Color

24.9011, 0.4285, 0.2184



Protanomaly

19.5747, 0.2515, 0.1701



Deuteranomaly

20.7738, 0.3414, 0.2365



Tritanomaly

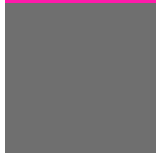
24.2303, 0.5179, 0.2864

Monochromacy



Original Color

24.9011, 0.4285, 0.2184



Achromatopsia

15.8961, 0.3127, 0.3290



Achromatomaly

15.1898, 0.3634, 0.2493

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9011, 0.4285, 0.2184 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, 26, 170)` looks like.

```
.text, #text, p{  
  color:rgb(255, 26, 170)  
}
```

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, 26, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 26, 170) }
```

Border

The CSS property to change the border of an element to Yxy 24.9011, 0.4285, 0.2184 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, 26, 170) }
```

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

```
.border{ border-color:rgb(255, 26, 170) }
```

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

Here you see how a box with a 4 pixel rgb(255, 26, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 26, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 26, 170);  
box-shadow:4px 4px 4px 4px rgb(255, 26,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9011, 0.4285, 0.2184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 26, 170) }
```

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

```
.background{ background-color: rgb(255, 26,  
170) }
```

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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