

Converting Colors

$Y_{xy}(29.4751, 0.4958, 0.2607)$

Have a look what the booklet for
Yxy(29.4751, 0.4958, 0.2607)
contains.

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Color

Yxy(24.6710, 0.4744, 0.2504)

Conversions

Conversions Part 1

Format	Color
Hex	FF288C
RGB	255, 40, 140
RGB Percent	100%, 16%, 55%
CMY	0.0000, 0.8434, 0.4509
CMYK	0.00, 0.84, 0.45, 0.00
HSL	332°, 100%, 58%
HSV	332°, 84%, 100%
XYZ	46.7409, 24.6710, 27.1145
YIQ	115.6850, 96.0400, 76.6800

Conversions

Conversions Part 2

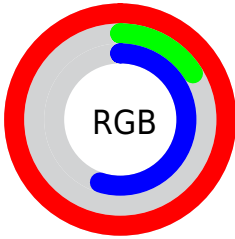
Format	Color
R _Y B	255, 40, 140
Decimal	16722060
CIE Lab	56.75, 81.07, -0.39
CIE LCh	57, 81.068, 359.724
Yxy	24.6710, 0.4744, 0.2504
Android (android.graphics.Color)	4294912140 (0xFFFF288C)
YUV	115.6850, 11.9873, 122.1793
Hunter-Lab	49.6699, 81.0516, 2.4029

Details

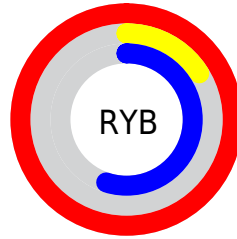
The Yxy color **24.6710, 0.4744, 0.2504** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **74.3338, 0.2660, 0.4647**, and the grayscale version is **17.2923, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.6986, 0.3831, 0.2481**, and **11.9447, 0.5098, 0.2582** is the 20% darker color. If you saturate the color by 10%, you get **23.1021, 0.5008, 0.2560**, and if you desaturate by 10%, it is **27.4122, 0.4471, 0.2503**.

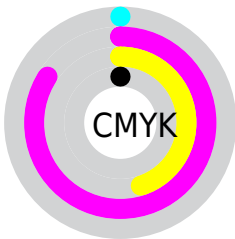
Distribution



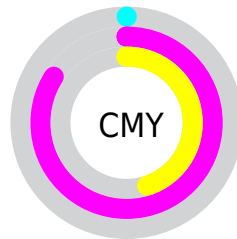
- Red (100%)
- Green (16%)
- Blue (55%)



- Red (100%)
- Yellow (16%)
- Blue (55%)



- Cyan (0%)
- Magenta (84%)
- Yellow (45%)
- Black (0%)





- Cyan (0%)
- Magenta (84%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.6710, 0.4744, 0.2504 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 24.6710, 0.4744, 0.2504 by changing the saturation by 10% instead.


 24.6710, 0.4744,
0.2504


 24.6710, 0.4744,
0.2504


276.1955, 0.3866,
0.2930


 15.8321, 0.4983,
0.2388


 51.1230, 0.4409,
0.2666

 9.4054, 0.5301,
0.2234


 69.5049, 0.4288,
0.2725


 5.0066, 0.5740,
0.2023

 91.8365, 0.4188,
0.2774

 2.2511, 0.6372,
0.1718

 118.5024, 0.4103,
0.2815

 0.7476, 0.7334,
0.1254

 149.8868, 0.4031,
0.2850

 0.0000, 1.0000,
0.0000

186.3742, 0.3969,

 0.0000, 0.0000,

0.2880

0.0000

228.3490, 0.3914,
0.2907

■ 24.6710, 0.4744,
0.2504

■ 24.6710, 0.4744,
0.2504

■ 23.1021, 0.5008,
0.2560

■ 27.4122, 0.4471,
0.2503


■ 22.5838, 0.5151,
0.2611


■ 31.5316, 0.4207,
0.2552


■ 37.1842, 0.3964,
0.2638

■ 44.5066, 0.3748,
0.2748

■ 53.6204, 0.3562,
0.2870

 64.6356, 0.3406,
0.2997

 77.6533, 0.3276,
0.3121

 92.7675, 0.3168,
0.3241

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.



24.6710, 0.3297, 0.1895



24.6710, 0.4744, 0.2504



24.6710, 0.5653, 0.3240

Triad

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



24.6710, 0.4744, 0.2504



24.6710, 0.3658, 0.5808



24.6710, 0.1088, 0.1741

Complementary

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



24.6710, 0.4744, 0.2504



74.3338, 0.2660, 0.4647

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.



24.6710, 0.1122, 0.2532



24.6710, 0.4744, 0.2504



24.6710, 0.2504, 0.5621

Square

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



24.6710, 0.4744, 0.2504



24.6710, 0.4765, 0.4994



24.6710, 0.1571, 0.4055



24.6710, 0.1391, 0.1469

Rectangle

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



24.6710, 0.4744, 0.2504



24.6710, 0.5696, 0.3769



24.6710, 0.1571, 0.4055



24.6710, 0.1061, 0.1933

Sweetspot

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



24.6671, 0.4744, 0.2504



63.8467, 0.3415, 0.2989



15.6659, 0.2242, 0.1089



12.7995, 0.3468, 0.2944



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.



24.6671, 0.4744, 0.2504



22.5838, 0.5151, 0.2611



23.4542, 0.6059, 0.3333



18.1278, 0.3221, 0.3180



11.8300, 0.5112, 0.2589



1.1737, 0.4839, 0.2439

Inverse Universe

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



24.6671, 0.4744, 0.2504



22.5838, 0.5151, 0.2611



74.7009, 0.2247, 0.3201



18.1278, 0.3221, 0.3180



11.8300, 0.5112, 0.2589



1.1737, 0.4839, 0.2439

Previews

White Background



This preview shows how the Yxy color 24.6710, 0.4744, 0.2504 looks on a white background.

Color Contrast Check

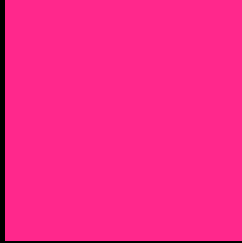
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.6710, 0.4744, 0.2504 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 24.6710, 0.4744, 0.2504

Background



This preview shows how black text looks on a background with the Yxy color 24.6710, 0.4744, 0.2504.



This preview shows how white text looks on a background with the Yxy color 24.6710, 0.4744, 0.2504.

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

24.6710, 0.4744, 0.2504

Protanopia

25.1196, 0.2447, 0.2365

Deuteranopia

24.7896, 0.3382, 0.3323



Tritanopia

24.6951, 0.5676, 0.3284

Trichromacy



Original Color

24.6710, 0.4744, 0.2504



Protanomaly

20.5343, 0.3092, 0.2232



Deuteranomaly

21.4637, 0.3897, 0.2811



Tritanomaly

24.3319, 0.5387, 0.3008

Monochromacy



Original Color

24.6710, 0.4744, 0.2504



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

16.6756, 0.3779, 0.2725

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.6710, 0.4744, 0.2504 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, 40, 140)` looks like.

```
.text, #text, p{  
  color:rgb(255, 40, 140)  
}
```

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, 40, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 40, 140) }
```

Border

The CSS property to change the border of an element to Yxy 24.6710, 0.4744, 0.2504 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, 40, 140) }
```

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

```
.border{ border-color:rgb(255, 40, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 40, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 40, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 40, 140);  
box-shadow:4px 4px 4px 4px rgb(255, 40,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 24.6710, 0.4744, 0.2504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 40, 140) }
```

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

```
.background{ background-color: rgb(255, 40,  
140) }
```

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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