

Converting Colors

$Y_{xy}(25.3541, 0.4699, 0.2525)$

Have a look what the booklet for
Yxy(25.3541, 0.4699, 0.2525)
contains.

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Color

Yxy(25.3269, 0.4694, 0.2520)

Conversions

Conversions Part 1

Format	Color
Hex	FF308E
RGB	255, 48, 142
RGB Percent	100%, 19%, 56%
CMY	0.0001, 0.8116, 0.4431
CMYK	0.00, 0.81, 0.44, 0.00
HSL	333°, 100%, 59%
HSV	333°, 81%, 100%
XYZ	47.1764, 25.3269, 28.0003
YIQ	120.6090, 93.1980, 73.1180

Conversions

Conversions Part 2

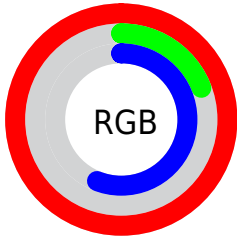
Format	Color
R_{YB}	255, 48, 142
Decimal	16724110
CIE _{Lab}	57.39, 79.53, -0.64
CIE _{LCh}	57, 79.537, 359.536
Yxy	25.3269, 0.4694, 0.2520
Android (android.graphics.Color)	4294914190 (0xFFFF308E)
YUV	120.6090, 10.5458, 117.8609
Hunter-Lab	50.3258, 79.2590, 2.2403

Details

The Yxy color **25.3269, 0.4694, 0.2520** 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 **74.7134, 0.2647, 0.4556**, and the grayscale version is **18.9388, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9227, 0.3797, 0.2507**, and **11.9792, 0.5053, 0.2558** is the 20% darker color. If you saturate the color by 10%, you get **23.4132, 0.4969, 0.2561**, and if you desaturate by 10%, it is **28.4923, 0.4415, 0.2534**.

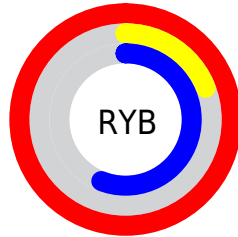
Distribution



Red (100%)

Green (19%)

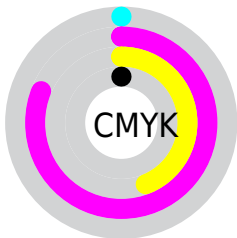
Blue (56%)



Red (100%)

Yellow (19%)

Blue (56%)

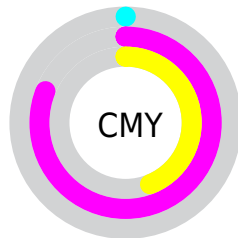


Cyan (0%)

Magenta (81%)

Yellow (44%)

Black (0%)



Cyan (0%)


Magenta (81%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.3269, 0.4694, 0.2520 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 25.3269, 0.4694, 0.2520 by changing the saturation by 10% instead.


 25.3269, 0.4694,
0.2520


 25.3269, 0.4694,
0.2520


279.4620, 0.3846,
0.2936


 16.3208, 0.4924,
0.2408


 52.1871, 0.4371,
0.2678


 9.7514, 0.5230,
0.2259


 70.8099, 0.4255,
0.2735


 5.2345, 0.5652,
0.2054

 93.4070, 0.4157,
0.2783

 2.3855, 0.6259,
0.1760

 120.3630, 0.4076,
0.2823

 0.8184, 0.7177,
0.1317

 152.0620, 0.4006,
0.2857

 0.0000, 1.0000,
0.0000

188.8886, 0.3945,

 0.0000, 0.0000,

0.2887

0.0000

231.2272, 0.3893,
0.2913

■ 25.3269, 0.4694,
0.2520

■ 25.3269, 0.4694,
0.2520

■ 23.4132, 0.4969,
0.2561

■ 28.4923, 0.4415,
0.2534


■ 22.5132, 0.5199,
0.2638


■ 33.0859, 0.4150,
0.2593


■ 39.2600, 0.3909,
0.2686

■ 47.1459, 0.3697,
0.2798

■ 56.8613, 0.3517,
0.2919

 68.5133, 0.3366,
0.3043

 82.2006, 0.3241,
0.3163

 98.0152, 0.3138,
0.3277

99.9971, 0.3127,
0.3290

Harmonies

Analogous

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



25.3269, 0.3287, 0.1920



25.3269, 0.4694, 0.2520



25.3269, 0.5589, 0.3248

Triad

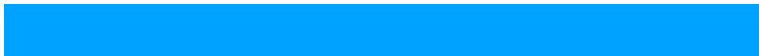
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



25.3269, 0.4694, 0.2520



25.3269, 0.3672, 0.5746



25.3269, 0.1123, 0.1779

Complementary

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



25.3269, 0.4694, 0.2520



74.7134, 0.2647, 0.4556

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.



25.3269, 0.1162, 0.2564



25.3269, 0.4694, 0.2520



25.3269, 0.2536, 0.5552

Square

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



25.3269, 0.4694, 0.2520



25.3269, 0.4753, 0.4970



25.3269, 0.1614, 0.4047



25.3269, 0.1421, 0.1504

Rectangle

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



25.3269, 0.4694, 0.2520



25.3269, 0.5643, 0.3773



25.3269, 0.1614, 0.4047



25.3269, 0.1098, 0.1971

Sweetspot

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



25.3284, 0.4694, 0.2520



65.0066, 0.3406, 0.3008



16.6478, 0.2280, 0.1140



13.0199, 0.3460, 0.2964



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.



25.3284, 0.4694, 0.2520



22.7815, 0.5122, 0.2610



24.1980, 0.5947, 0.3336



18.1243, 0.3223, 0.3183



11.7944, 0.5159, 0.2616



1.1701, 0.4881, 0.2462

Inverse Universe

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



25.3284, 0.4694, 0.2520



22.7815, 0.5122, 0.2610



75.0367, 0.2257, 0.3204



18.1243, 0.3223, 0.3183



11.7944, 0.5159, 0.2616



1.1701, 0.4881, 0.2462

Previews

White Background



This preview shows how the Yxy color 25.3269, 0.4694, 0.2520 looks on a white background.

Color Contrast Check

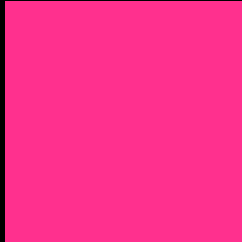
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.3269, 0.4694, 0.2520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

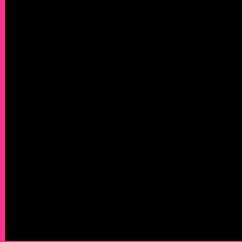
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.3269, 0.4694, 0.2520

Background



This preview shows how black text looks on a background with the Yxy color 25.3269, 0.4694, 0.2520.



This preview shows how white text looks on a background with the Yxy color 25.3269, 0.4694, 0.2520.

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

25.3269, 0.4694, 0.2520

Protanopia

25.4964, 0.2472, 0.2397

Deuteranopia

25.3110, 0.3381, 0.3307



Tritanopia

25.3706, 0.5573, 0.3275

Trichromacy



Original Color

25.3269, 0.4694, 0.2520



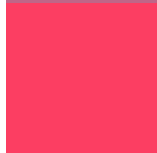
Protanomaly

21.4308, 0.3102, 0.2289



Deuteranomaly

22.3567, 0.3882, 0.2829



Tritanomaly

25.0225, 0.5300, 0.3009

Monochromacy



Original Color

25.3269, 0.4694, 0.2520



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

18.1364, 0.3738, 0.2762

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.3269, 0.4694, 0.2520 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, 48, 142)` looks like.

```
.text, #text, p{  
    color:rgb(255, 48, 142)  
}
```

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, 48, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 48, 142) }
```

Border

The CSS property to change the border of an element to Yxy 25.3269, 0.4694, 0.2520 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, 48, 142) }
```

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

```
.border{ border-color:rgb(255, 48, 142) }
```

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

Here you see how a box with a 4 pixel rgb(255, 48, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 48, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 48, 142);  
box-shadow:4px 4px 4px 4px rgb(255, 48,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 25.3269, 0.4694, 0.2520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 48, 142) }
```

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

```
.background{ background-color: rgb(255, 48,  
142) }
```

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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