

# Converting Colors

$Y_{xy}(26.1982, 0.4508, 0.2445)$

Have a look what the booklet for  
Yxy(26.1982, 0.4508, 0.2445)  
contains.

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# Color

**Yxy(26.1982, 0.4508, 0.2445)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF3699
RGB	255, 54, 153
RGB Percent	100%, 21%, 60%
CMY	0.0001, 0.7880, 0.4000
CMYK	0.00, 0.79, 0.40, 0.00
HSL	330°, 100%, 61%
HSV	330°, 79%, 100%
XYZ	48.3033, 26.1982, 32.6486
YIQ	125.3850, 88.0170, 73.4010

# Conversions

## Conversions Part 2

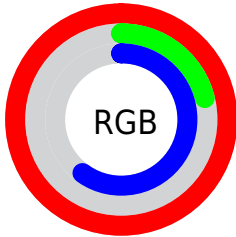
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 54, 153
Decimal	16725657
CIE <sub>Lab</sub>	58.22, 79.07, -5.89
CIE <sub>LCh</sub>	58, 79.294, 355.740
Yxy	26.1982, 0.4508, 0.2445
Android (android.graphics.Color)	4294915737 (0xFFFF3699)
YUV	125.3850, 13.6142, 113.6724
Hunter-Lab	51.1842, 78.8808, -1.9901

# Details

The Yxy color **26.1982, 0.4508, 0.2445** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **74.6938, 0.2679, 0.4623**, and the grayscale version is **20.5851, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4397, 0.3656, 0.2430**, and **12.2968, 0.4845, 0.2442** is the 20% darker color. If you saturate the color by 10%, you get **24.0085, 0.4762, 0.2464**, and if you desaturate by 10%, it is **29.6795, 0.4255, 0.2479**.

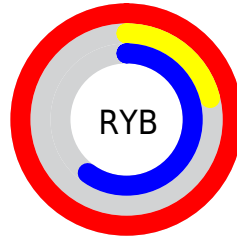
# Distribution



Red (100%)

Green (21%)

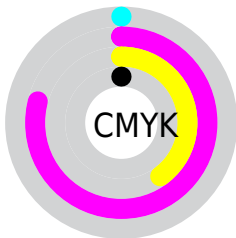
Blue (60%)



Red (100%)

Yellow (21%)

Blue (60%)

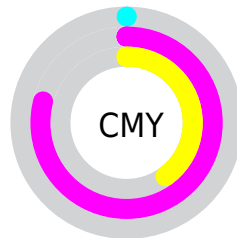


Cyan (0%)

Magenta (79%)

Yellow (40%)

Black (0%)



Cyan (0%)

Magenta (79%)


Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.1982, 0.4508, 0.2445 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 26.1982, 0.4508, 0.2445 by changing the saturation by 10% instead.





 26.1982, 0.4508,  
0.2445


 26.1982, 0.4508,  
0.2445


283.7537, 0.3770,  
0.2887


 16.9720, 0.4706,  
0.2330


 53.5945, 0.4229,  
0.2609


 10.2145, 0.4968,  
0.2180

 72.5334, 0.4128,  
0.2670

 5.5414, 0.5327,  
0.1979


 95.4786, 0.4043,  
0.2721

 2.5683, 0.5845,  
0.1697

 122.8146, 0.3971,  
0.2764

 0.9108, 0.6634,  
0.1286

 154.9257, 0.3910,  
0.2801

 0.0000, 0.9140,  
0.0000

192.1963, 0.3857,


 0.0000, 1.0000,


0.2833


0.0000


235.0108, 0.3811,  
0.2862

 0.0000, 0.0000,  
0.0000


 26.1982, 0.4508,  
0.2445


 26.1982, 0.4508,  
0.2445


 24.0085, 0.4762,  
0.2464


 29.6795, 0.4255,  
0.2479

 22.8579, 0.5005,  
0.2536

 34.6201, 0.4018,  
0.2556

 22.7511, 0.5034,  
0.2547

 41.1664, 0.3803,  
0.2663

 49.4460, 0.3616,  
0.2788

 59.5734, 0.3456,  
0.2921

 71.6532, 0.3321,  
0.3054

 85.7822, 0.3209,  
0.3182

99.9960, 0.3127,  
0.3290

# Harmonies

## Analogous

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



26.1982, 0.3116, 0.1875



26.1982, 0.4508, 0.2445



26.1982, 0.5497, 0.3160

# Triad

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



26.1982, 0.4508, 0.2445



26.1982, 0.3817, 0.5652



26.1982, 0.1128, 0.1862

# Complementary

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



26.1982, 0.4508, 0.2445



74.6938, 0.2679, 0.4623

# 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.



26.1982, 0.1213, 0.2724



26.1982, 0.4508, 0.2445



26.1982, 0.2687, 0.5623

# Square

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



26.1982, 0.4508, 0.2445



26.1982, 0.4862, 0.4843



26.1982, 0.1725, 0.4254



26.1982, 0.1381, 0.1536



# Rectangle

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



26.1982, 0.4508, 0.2445



26.1982, 0.5637, 0.3675



26.1982, 0.1725, 0.4254



26.1982, 0.1117, 0.2077

# Sweetspot

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



26.1997, 0.4508, 0.2445



65.1331, 0.3388, 0.2985



16.7833, 0.2251, 0.1152



13.0501, 0.3438, 0.2937



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.



26.1997, 0.4508, 0.2445



23.2087, 0.4914, 0.2504



24.1666, 0.5899, 0.3298



18.1362, 0.3217, 0.3174



11.9202, 0.4996, 0.2526



1.1826, 0.4738, 0.2384



# Inverse Universe

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



26.1997, 0.4508, 0.2445



23.2087, 0.4914, 0.2504



79.5110, 0.2287, 0.3288



18.1362, 0.3217, 0.3174



11.9202, 0.4996, 0.2526



1.1826, 0.4738, 0.2384



# Previews

## White Background



This preview shows how the Yxy color 26.1982, 0.4508, 0.2445 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

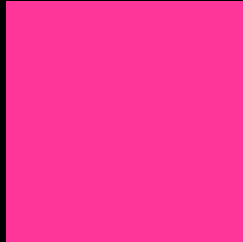
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 26.1982, 0.4508, 0.2445 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 26.1982, 0.4508, 0.2445**

## Background



This preview shows how black text looks on a background with the Yxy color 26.1982, 0.4508, 0.2445.



This preview shows how white text looks on a background with the Yxy color 26.1982, 0.4508, 0.2445.

# 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

26.1982, 0.4508, 0.2445

### Protanopia

26.4847, 0.2383, 0.2279

### Deuteranopia

26.2669, 0.3233, 0.3179



## Tritanopia

26.0721, 0.5442, 0.3265

# Trichromacy



## Original Color

26.1982, 0.4508, 0.2445



## Protanomaly

22.4281, 0.2962, 0.2187



## Deuteranomaly

23.2335, 0.3692, 0.2731



## Tritanomaly

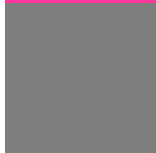
25.8912, 0.5139, 0.2966

# Monochromacy



## Original Color

26.1982, 0.4508, 0.2445



## Achromatopsia

20.5079, 0.3127, 0.3290



## Achromatomaly

19.4436, 0.3661, 0.2754

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.1982, 0.4508, 0.2445 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, 54, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 54, 153)  
}
```

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, 54, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 54, 153) }
```

## Border

The CSS property to change the border of an element to Yxy 26.1982, 0.4508, 0.2445 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, 54, 153) }
```

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

```
.border{ border-color:rgb(255, 54, 153) }
```

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

Here you see how a box with a 4 pixel rgb(255, 54, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 54, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 54, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 54,  
153) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.1982, 0.4508, 0.2445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 54, 153) }
```

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

```
.background{ background-color: rgb(255, 54,  
153) }
```

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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