

# Converting Colors

Yxy(23.5196, 0.5322, 0.2819)

Have a look what the booklet for  
Yxy(23.5196, 0.5322, 0.2819)  
contains.

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**Color**

**Yxy(23.5417, 0.5318, 0.2818)**

# Conversions

Conversions Part 1	
Format	Color
Hex	FF2469
RGB	255, 36, 105
RGB Percent	100%, 14%, 41%
CMY	0.0000, 0.8590, 0.5882
CMYK	0.00, 0.86, 0.59, 0.00
HSL	341°, 100%, 57%
HSV	341°, 86%, 100%
XYZ	44.4268, 23.5417, 15.5719
YIQ	109.3470, 108.3750, 67.8870

# Conversions

## Conversions Part 2

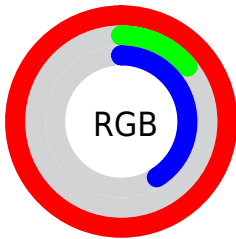
Format	Color
<a href="#">RYB</a>	<a href="#">255, 36, 105</a>
Decimal	<a href="#">16721001</a>
CIELab	<a href="#">55.63, 79.30, 18.90</a>
CIELCh	<a href="#">56, 81.525, 13.407</a>
Yxy	<a href="#">23.5417, 0.5318, 0.2818</a>
Android (android.graphics.Color)	<a href="#">4294911081</a> (0xFFFF2469)
YUV	<a href="#">109.3470, -2.1431, 127.7377</a>
Hunter-Lab	<a href="#">48.5198, 78.5327, 14.9353</a>

# Details

The Yxy color **23.5417, 0.5318, 0.2818** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed rose. A complement of this color would be **75.4369, 0.2528, 0.4206**, and the grayscale version is **15.3724, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.5976, 0.4297, 0.2821**, and **11.3921, 0.5737, 0.2934** is the 20% darker color. If you saturate the color by 10%, you get **22.1844, 0.5639, 0.2903**, and if you desaturate by 10%, it is **26.0636, 0.4961, 0.2782**.

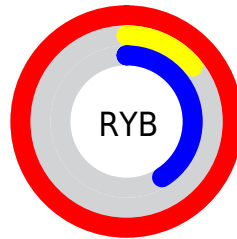
# Distribution



Red (100%)

Green (14%)

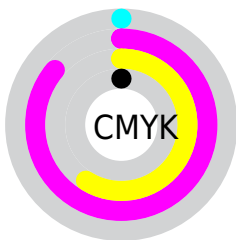
Blue (41%)



Red (100%)

Yellow (14%)

Blue (41%)

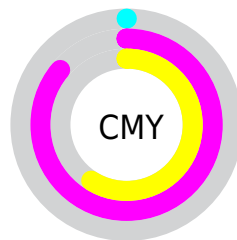


Cyan (0%)

Magenta (86%)

Yellow (59%)

Black (0%)



Cyan (0%)

Magenta (86%)


Yellow (59%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 23.5417, 0.5318, 0.2818 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 23.5417, 0.5318, 0.2818 by changing the saturation by 10% instead.





 23.5417, 0.5318,  
0.2818


 23.5417, 0.5318,  
0.2818


270.4952, 0.4110,  
0.3130


 14.9940, 0.5646,  
0.2713


 49.2813, 0.4857,  
0.2951


 8.8152, 0.6076,  
0.2562


 67.2420, 0.4690,  
0.2995


 4.6208, 0.6651,  
0.2334


 89.1091, 0.4551,  
0.3030

 2.0266, 0.7465,  
0.1985

 115.2670, 0.4435,  
0.3058

 0.6228, 0.8624,  
0.1376

 146.1002, 0.4335,  
0.3081

 0.0000, 1.0000,  
0.0000

181.9931, 0.4250,


 0.0000, 0.0000,

0.3100

0.0000


223.3299, 0.4176,  
0.3116

 23.5417, 0.5318,  
0.2818

 23.5417, 0.5318,  
0.2818


 22.1844, 0.5639,  
0.2903


 26.0636, 0.4961,  
0.2782

 21.8451, 0.5757,  
0.2945

 29.9612, 0.4601,  
0.2792

 35.3976, 0.4266,  
0.2838

 42.5144, 0.3971,  
0.2908

 51.4372, 0.3719,  
0.2990

 62.2792, 0.3509,  
0.3077

 75.1445, 0.3337,  
0.3162

 90.1296, 0.3197,  
0.3244

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.



23.5417, 0.3981, 0.2129



23.5417, 0.5318, 0.2818



23.5417, 0.5774, 0.3588

# Triad

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



23.5417, 0.5318, 0.2818



23.5417, 0.3113, 0.5971



23.5417, 0.1158, 0.1541

# Complementary

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



23.5417, 0.5318, 0.2818



75.4369, 0.2528, 0.4206

# 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.



23.5417, 0.1035, 0.2063



23.5417, 0.5318, 0.2818



23.5417, 0.2003, 0.5056

# Square

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



23.5417, 0.5318, 0.2818



23.5417, 0.4282, 0.5446



23.5417, 0.1275, 0.3269



23.5417, 0.1633, 0.1437



# Rectangle

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



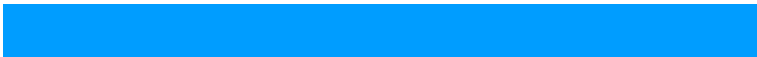
23.5417, 0.5318, 0.2818



23.5417, 0.5528, 0.4160



23.5417, 0.1275, 0.3269



23.5417, 0.1081, 0.1658

# Sweetspot

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



23.5395, 0.5318, 0.2818



62.1597, 0.3511, 0.3076



18.8728, 0.2524, 0.1226



12.4544, 0.3579, 0.3046



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.



23.5395, 0.5318, 0.2818



21.8451, 0.5757, 0.2945



26.5719, 0.5872, 0.3534



18.0814, 0.3244, 0.3215



11.4382, 0.5714, 0.2921



1.1325, 0.5394, 0.2745



# Inverse Universe

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



23.5395, 0.5318, 0.2818



21.8451, 0.5757, 0.2945



56.1149, 0.2127, 0.2774



18.0814, 0.3244, 0.3215



11.4382, 0.5714, 0.2921



1.1325, 0.5394, 0.2745



# Previews

## White Background



This preview shows how the Yxy color 23.5417, 0.5318, 0.2818 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

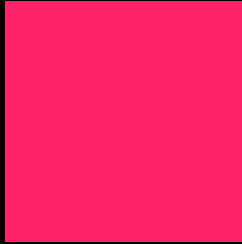
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 23.5417, 0.5318, 0.2818 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 23.5417, 0.5318, 0.2818**

## Background



This preview shows how black text looks on a background with the Yxy color 23.5417, 0.5318, 0.2818.



This preview shows how white text looks on a background with the Yxy color 23.5417, 0.5318, 0.2818.

# 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

23.5417, 0.5318, 0.2818

### Protanopia

23.8505, 0.2953, 0.3020

### Deuteranopia

23.6355, 0.3895, 0.3822



**Tritanopia**

23.5866, 0.5923, 0.3298

# Trichromacy



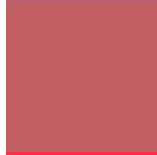
## Original Color

23.5417, 0.5318, 0.2818



## Protanomaly

19.7759, 0.3760, 0.2781



## Deuteranomaly

20.5546, 0.4509, 0.3241



## Tritanomaly

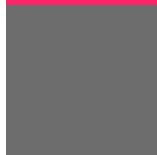
23.4798, 0.5755, 0.3143

# Monochromacy



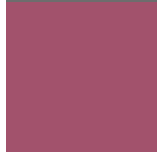
## Original Color

23.5417, 0.5318, 0.2818



## Achromatopsia

15.2926, 0.3127, 0.3290



## Achromatomaly

14.7987, 0.4014, 0.2880

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 23.5417, 0.5318, 0.2818 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, 105)` looks like.

```
.text, #text, p{  
    color:rgb(255, 36, 105)  
}
```

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, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 36, 105) }
```

## Border

The CSS property to change the border of an element to Yxy 23.5417, 0.5318, 0.2818 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, 105) }
```

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

```
.border{ border-color:rgb(255, 36, 105) }
```

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, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 36, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 36, 105);  
box-shadow:4px 4px 4px 4px rgb(255, 36,  
105) }
```



# Background

The CSS property to change the background color of an element to Yxy 23.5417, 0.5318, 0.2818 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, 105) }
```

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

```
.background{ background-color: rgb(255, 36,  
105) }
```

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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