

Converting Colors

$Y_{xy}(34.4329, 0.4665, 0.2491)$

Have a look what the booklet for
Yxy(34.4329, 0.4665, 0.2491)
contains.

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Color

Yxy(26.6515, 0.4310, 0.2323)

Conversions

Conversions Part 1

Format	Color
Hex	FF36A6
RGB	255, 54, 166
RGB Percent	100%, 21%, 65%
CMY	0.0000, 0.7883, 0.3489
CMYK	0.00, 0.79, 0.35, 0.00
HSL	327°, 100%, 61%
HSV	327°, 79%, 100%
XYZ	49.4481, 26.6515, 38.6292
YIQ	126.8670, 83.8440, 77.4440

Conversions

Conversions Part 2

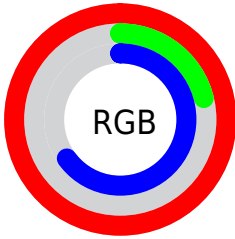
Format	Color
R _Y B	255, 54, 166
Decimal	16725670
CIE _{Lab}	58.65, 80.37, -12.88
CIE _{LCh}	59, 81.393, 350.897
Yxy	26.6515, 0.4310, 0.2323
Android (android.graphics.Color)	4294915750 (0xFFFF36A6)
YUV	126.8670, 19.2926, 112.3726
Hunter-Lab	51.6251, 80.6289, -8.2270

Details

The Yxy color **26.6515, 0.4310, 0.2323** 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 **74.2851, 0.2732, 0.4805**, and the grayscale version is **21.0821, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1552, 0.3509, 0.2305**, and **12.5524, 0.4584, 0.2299** is the 20% darker color. If you saturate the color by 10%, you get **24.4712, 0.4523, 0.2327**, and if you desaturate by 10%, it is **30.1077, 0.4098, 0.2371**.

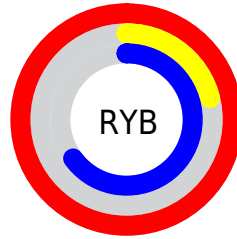
Distribution



Red (100%)

Green (21%)

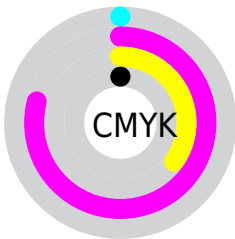
Blue (65%)



Red (100%)

Yellow (21%)

Blue (65%)

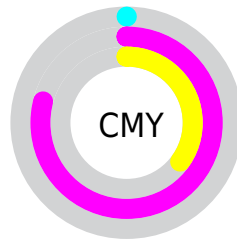


Cyan (0%)

Magenta (79%)

Yellow (35%)

Black (0%)



Cyan (0%)


Magenta (79%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.6515, 0.4310, 0.2323 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 26.6515, 0.4310, 0.2323 by changing the saturation by 10% instead.


 26.6515, 0.4310,
0.2323

 26.6515, 0.4310,
0.2323


285.9658, 0.3689,
0.2813


 17.3117, 0.4473,
0.2201


 54.3241, 0.4078,
0.2502


 10.4569, 0.4687,
0.2044


 73.4257, 0.3992,
0.2568


 5.7030, 0.4978,
0.1838


 96.5500, 0.3921,
0.2625

 2.6653, 0.5392,
0.1559

 124.0814, 0.3860,
0.2673

 0.9596, 0.6017,
0.1168

 156.4042, 0.3808,
0.2715

 0.0000, 0.7529,
0.0000

193.9030, 0.3763,

 0.0000, 1.0000,

0.2752

0.0000

236.9620, 0.3723,
0.2784

■ 0.0000, 0.0000,
0.0000

■ 26.6515, 0.4310,
0.2323

■ 26.6515, 0.4310,
0.2323

■ 24.4712, 0.4523,
0.2327

■ 30.1077, 0.4098,
0.2371

■ 23.3217, 0.4730,
0.2384

■ 35.0150, 0.3898,
0.2462

■ 23.2173, 0.4754,
0.2392

■ 41.5169, 0.3716,
0.2584

■ 49.7405, 0.3555,
0.2725

■ 59.7999, 0.3416,
0.2873

71.7995, 0.3299,
0.3023

85.8356, 0.3200,
0.3168

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.



26.6515, 0.2902, 0.1783



26.6515, 0.4310, 0.2323



26.6515, 0.5440, 0.3029

Triad

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



26.6515, 0.4310, 0.2323



26.6515, 0.3998, 0.5586



26.6515, 0.1091, 0.1934

Complementary

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



26.6515, 0.4310, 0.2323



74.2851, 0.2732, 0.4805

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.



26.6515, 0.1235, 0.2917



26.6515, 0.4310, 0.2323



26.6515, 0.2852, 0.5780

Square

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



26.6515, 0.4310, 0.2323



26.6515, 0.5027, 0.4702



26.6515, 0.1828, 0.4556



26.6515, 0.1292, 0.1537

Rectangle

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



26.6515, 0.4310, 0.2323



26.6515, 0.5686, 0.3539



26.6515, 0.1828, 0.4556



26.6515, 0.1098, 0.2183

Sweetspot

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



26.6503, 0.4310, 0.2323



65.3513, 0.3357, 0.2946



15.5263, 0.2140, 0.1094



13.1024, 0.3400, 0.2892



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.



26.6503, 0.4310, 0.2323



23.6728, 0.4651, 0.2357



24.3058, 0.5761, 0.3213



18.1566, 0.3206, 0.3158



12.1621, 0.4721, 0.2375



1.2062, 0.4501, 0.2253

Inverse Universe

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



26.6503, 0.4310, 0.2323



23.6728, 0.4651, 0.2357



78.6903, 0.2335, 0.3451



18.1566, 0.3206, 0.3158



12.1621, 0.4721, 0.2375



1.2062, 0.4501, 0.2253

Previews

White Background



This preview shows how the Yxy color 26.6515, 0.4310, 0.2323 looks on a white background.

Color Contrast Check

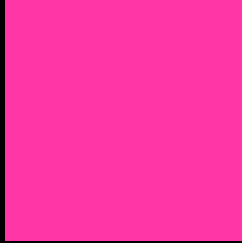
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.6515, 0.4310, 0.2323 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 26.6515, 0.4310, 0.2323

Background



This preview shows how black text looks on a background with the Yxy color 26.6515, 0.4310, 0.2323.



This preview shows how white text looks on a background with the Yxy color 26.6515, 0.4310, 0.2323.

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

26.6515, 0.4310, 0.2323

Protanopia

27.0983, 0.2225, 0.2079

Deuteranopia

26.5875, 0.3055, 0.2991



Tritanopia

26.5172, 0.5357, 0.3263

Trichromacy



Original Color

26.6515, 0.4310, 0.2323



Protanomaly

22.7183, 0.2747, 0.2010



Deuteranomaly

23.6183, 0.3495, 0.2572



Tritanomaly

26.2306, 0.5013, 0.2917

Monochromacy



Original Color

26.6515, 0.4310, 0.2323



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

20.0361, 0.3600, 0.2689

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.6515, 0.4310, 0.2323 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, 166)` looks like.

```
.text, #text, p{  
    color:rgb(255, 54, 166)  
}
```

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, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 54, 166) }
```

Border

The CSS property to change the border of an element to Yxy 26.6515, 0.4310, 0.2323 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, 166) }
```

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

```
.border{ border-color:rgb(255, 54, 166) }
```

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, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 54, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 54, 166);  
box-shadow:4px 4px 4px 4px rgb(255, 54,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 26.6515, 0.4310, 0.2323 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, 166) }
```

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

```
.background{ background-color: rgb(255, 54,  
166) }
```

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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