

Converting Colors

$Y_{xy}(28.1006, 0.4450, 0.2535)$

Have a look what the booklet for
Yxy(28.1006, 0.4450, 0.2535)
contains.

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Color

Yxy(28.0996, 0.4451, 0.2536)

Conversions

Conversions Part 1

Format	Color
Hex	FF479A
RGB	255, 71, 154
RGB Percent	100%, 28%, 60%
CMY	0.0001, 0.7214, 0.3962
CMYK	0.00, 0.72, 0.40, 0.00
HSL	333°, 100%, 64%
HSV	333°, 72%, 100%
XYZ	49.3183, 28.0996, 33.3849
YIQ	135.4780, 83.0210, 64.8210

Conversions

Conversions Part 2

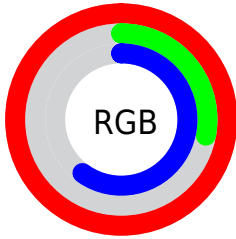
Format	Color
R_{YB}	255, 71, 154
Decimal	16730010
CIE _{Lab}	59.98, 74.29, -3.87
CIE _{LCh}	60, 74.391, 357.021
Yxy	28.0996, 0.4451, 0.2536
Android (android.graphics.Color)	4294920090 (0xFFFF479A)
YUV	135.4780, 9.1313, 104.8208
Hunter-Lab	53.0091, 73.3062, -0.2343

Details

The Yxy color **28.0996, 0.4451, 0.2536** 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 **75.8284, 0.2649, 0.4385**, and the grayscale version is **24.3653, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.5891, 0.3626, 0.2531**, and **12.3167, 0.4823, 0.2430** is the 20% darker color. If you saturate the color by 10%, you get **25.0678, 0.4732, 0.2528**, and if you desaturate by 10%, it is **32.5485, 0.4181, 0.2591**.

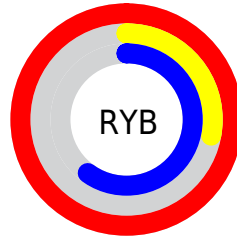
Distribution



Red (100%)

Green (28%)

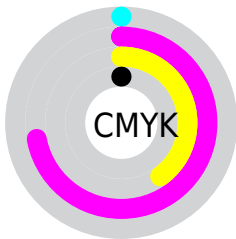
Blue (60%)



Red (100%)

Yellow (28%)

Blue (60%)

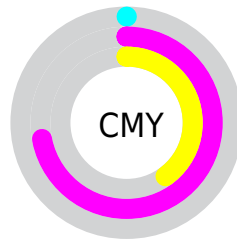


Cyan (0%)

Magenta (72%)

Yellow (40%)

Black (0%)



Cyan (0%)


Magenta (72%)

Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.0996, 0.4451, 0.2536 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 28.0996, 0.4451, 0.2536 by changing the saturation by 10% instead.


 28.0996, 0.4451,
0.2536


 28.0996, 0.4451,
0.2536

292.9425, 0.3747,
0.2931

 18.4008, 0.4639,
0.2433


 56.6434, 0.4186,
0.2683


 11.2381, 0.4887,
0.2298


 76.2572, 0.4089,
0.2737


 6.2272, 0.5226,
0.2116


 99.9447, 0.4008,
0.2783

 2.9837, 0.5715,
0.1859

 128.0904, 0.3940,
0.2821

 1.1232, 0.6462,
0.1477

 161.0786, 0.3881,
0.2855

 0.0000, 0.8929,
0.0000

199.2938, 0.3830,

 0.0000, 1.0000,

0.2883

0.0000

243.1203, 0.3786,
0.2909

■ 0.0000, 0.0000,
0.0000

■ 28.0996, 0.4451,
0.2536

■ 28.0996, 0.4451,
0.2536

■ 25.0678, 0.4732,
0.2528

■ 32.5485, 0.4181,
0.2591

■ 23.2637, 0.5008,
0.2575


■ 38.5630, 0.3936,
0.2680

■ 22.4927, 0.5213,
0.2645

■ 46.2779, 0.3720,
0.2790

■ 55.8117, 0.3536,
0.2910

■ 67.2727, 0.3381,
0.3033

 80.7602, 0.3253,
0.3153

 96.3669, 0.3147,
0.3267

99.9959, 0.3127,
0.3290

Harmonies

Analogous

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



28.0996, 0.3178, 0.1981



28.0996, 0.4451, 0.2536



28.0996, 0.5335, 0.3229

Triad

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



28.0996, 0.4451, 0.2536



28.0996, 0.3773, 0.5504



28.0996, 0.1244, 0.1944

Complementary

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



28.0996, 0.4451, 0.2536



75.8284, 0.2649, 0.4385

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.



28.0996, 0.1321, 0.2740



28.0996, 0.4451, 0.2536



28.0996, 0.2706, 0.5367

Square

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



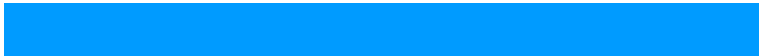
28.0996, 0.4451, 0.2536



28.0996, 0.4750, 0.4824



28.0996, 0.1804, 0.4108



28.0996, 0.1502, 0.1637

Rectangle

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



28.0996, 0.4451, 0.2536



28.0996, 0.5460, 0.3729



28.0996, 0.1804, 0.4108



28.0996, 0.1231, 0.2145

Sweetspot

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



28.1011, 0.4451, 0.2536



67.4531, 0.3379, 0.3034



20.1828, 0.2392, 0.1315



13.7288, 0.3418, 0.3001



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.



28.1011, 0.4451, 0.2536



24.0542, 0.4868, 0.2544



27.0448, 0.5567, 0.3343



18.1232, 0.3223, 0.3183



11.7843, 0.5173, 0.2623



1.1691, 0.4893, 0.2469

Inverse Universe

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



28.1011, 0.4451, 0.2536



24.0542, 0.4868, 0.2544



76.2172, 0.2297, 0.3214



18.1232, 0.3223, 0.3183



11.7843, 0.5173, 0.2623



1.1691, 0.4893, 0.2469

Previews

White Background



This preview shows how the Yxy color 28.0996, 0.4451, 0.2536 looks on a white background.

Color Contrast Check

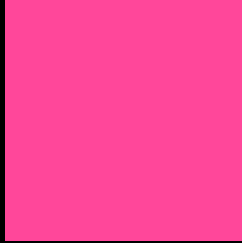
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.0996, 0.4451, 0.2536 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 28.0996, 0.4451, 0.2536

Background



This preview shows how black text looks on a background with the Yxy color 28.0996, 0.4451, 0.2536.



This preview shows how white text looks on a background with the Yxy color 28.0996, 0.4451, 0.2536.

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

28.0996, 0.4451, 0.2536

Protanopia

28.4042, 0.2510, 0.2446

Deuteranopia

28.1714, 0.3284, 0.3213



Tritanopia

28.0983, 0.5223, 0.3252

Trichromacy



Original Color

28.0996, 0.4451, 0.2536



Protanomaly

25.1401, 0.3069, 0.2384



Deuteranomaly

25.8689, 0.3713, 0.2848



Tritanomaly

27.8181, 0.4958, 0.2986

Monochromacy



Original Color

28.0996, 0.4451, 0.2536



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

23.1250, 0.3617, 0.2858

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0996, 0.4451, 0.2536 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, 71, 154)` looks like.

```
.text, #text, p{  
    color:rgb(255, 71, 154)  
}
```

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, 71, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 71, 154) }
```

Border

The CSS property to change the border of an element to Yxy 28.0996, 0.4451, 0.2536 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, 71, 154) }
```

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

```
.border{ border-color:rgb(255, 71, 154) }
```

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

Here you see how a box with a 4 pixel rgb(255, 71, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 71, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 71, 154);  
box-shadow:4px 4px 4px 4px rgb(255, 71,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0996, 0.4451, 0.2536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 71, 154) }
```

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

```
.background{ background-color: rgb(255, 71,  
154) }
```

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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