

Converting Colors

$Y_{xy}(28.2675, 0.4431, 0.2531)$

Have a look what the booklet for
Yxy(28.2675, 0.4431, 0.2531)
contains.

Yxy(28.2613, 0.4433, 0.2533)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(28.2613, 0.4433, 0.2533)

Conversions

Conversions Part 1

Format	Color
Hex	FF489B
RGB	255, 72, 155
RGB Percent	100%, 28%, 61%
CMY	0.0002, 0.7173, 0.3922
CMYK	0.00, 0.72, 0.39, 0.00
HSL	333°, 100%, 64%
HSV	333°, 72%, 100%
XYZ	49.4601, 28.2613, 33.8511
YIQ	136.1790, 82.4250, 64.6090

Conversions

Conversions Part 2

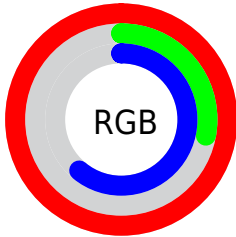
Format	Color
R _Y B	255, 72, 155
Decimal	16730267
CIE Lab	60.12, 74.05, -4.24
CIE LCh	60, 74.169, 356.723
Yxy	28.2613, 0.4433, 0.2533
Android (android.graphics.Color)	4294920347 (0xFFFF489B)
YUV	136.1790, 9.2788, 104.2060
Hunter-Lab	53.1614, 73.0398, -0.5406

Details

The Yxy color **28.2613, 0.4433, 0.2533** 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 **75.8522, 0.2652, 0.4384**, and the grayscale version is **24.6453, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.9136, 0.3614, 0.2531**, and **12.3369, 0.4801, 0.2418** is the 20% darker color. If you saturate the color by 10%, you get **25.1760, 0.4712, 0.2522**, and if you desaturate by 10%, it is **32.7697, 0.4166, 0.2590**.

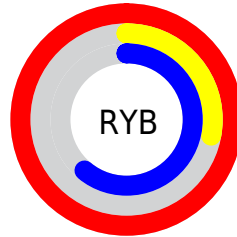
Distribution



Red (100%)

Green (28%)

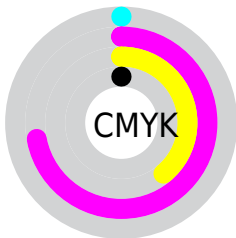
Blue (61%)



Red (100%)

Yellow (28%)

Blue (61%)

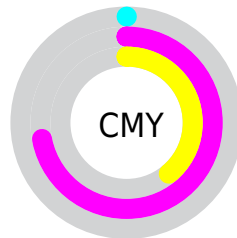


Cyan (0%)

Magenta (72%)

Yellow (39%)

Black (0%)



Cyan (0%)


Magenta (72%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.2613, 0.4433, 0.2533 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 28.2613, 0.4433, 0.2533 by changing the saturation by 10% instead.


 28.2613, 0.4433,
0.2533


 28.2613, 0.4433,
0.2533


293.7134, 0.3739,
0.2928

 18.5227, 0.4618,
0.2430


 56.9013, 0.4172,
0.2680

 11.3259, 0.4862,
0.2296


 76.5716, 0.4076,
0.2734

 6.2865, 0.5195,
0.2114


 100.3212, 0.3997,
0.2780

 3.0201, 0.5676,
0.1859

 128.5346, 0.3930,
0.2819

 1.1422, 0.6408,
0.1480

161.5961, 0.3872,
0.2852

 0.0137, 0.8737,
0.0053

199.8901, 0.3822,

 0.0000, 1.0000,

0.2881

0.0000

243.8011, 0.3778,
0.2906

■ 0.0000, 0.0000,
0.0000

■ 28.2613, 0.4433,
0.2533

■ 28.2613, 0.4433,
0.2533

■ 25.1760, 0.4712,
0.2522

■ 32.7697, 0.4166,
0.2590

■ 23.3261, 0.4988,
0.2567


■ 38.8487, 0.3923,
0.2681


■ 22.5024, 0.5202,
0.2639

■ 46.6323, 0.3709,
0.2792

■ 56.2385, 0.3527,
0.2913

■ 67.7750, 0.3374,
0.3036

 81.3410, 0.3248,
0.3157

 97.0288, 0.3143,
0.3271

99.9913, 0.3127,
0.3290

Harmonies

Analogous

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



28.2613, 0.3166, 0.1982



28.2613, 0.4433, 0.2533



28.2613, 0.5320, 0.3224

Triad

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



28.2613, 0.4433, 0.2533



28.2613, 0.3783, 0.5490



28.2613, 0.1249, 0.1955

Complementary

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



28.2613, 0.4433, 0.2533



75.8522, 0.2652, 0.4384

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.



28.2613, 0.1331, 0.2754



28.2613, 0.4433, 0.2533



28.2613, 0.2719, 0.5363

Square

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



28.2613, 0.4433, 0.2533



28.2613, 0.4754, 0.4813



28.2613, 0.1817, 0.4119



28.2613, 0.1503, 0.1644

Rectangle

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



28.2613, 0.4433, 0.2533



28.2613, 0.5451, 0.3723



28.2613, 0.1817, 0.4119



28.2613, 0.1237, 0.2157

Sweetspot

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



28.2629, 0.4433, 0.2533



67.4607, 0.3378, 0.3033



20.3658, 0.2397, 0.1324



13.7306, 0.3417, 0.3000



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.



28.2629, 0.4433, 0.2533



24.2562, 0.4832, 0.2534



27.1946, 0.5548, 0.3343



18.1240, 0.3223, 0.3183



11.7920, 0.5162, 0.2617



1.1698, 0.4883, 0.2464

Inverse Universe

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



28.2629, 0.4433, 0.2533



24.2562, 0.4832, 0.2534



76.2617, 0.2300, 0.3215



18.1240, 0.3223, 0.3183



11.7920, 0.5162, 0.2617



1.1698, 0.4883, 0.2464

Previews

White Background



This preview shows how the Yxy color 28.2613, 0.4433, 0.2533 looks on a white background.

Color Contrast Check

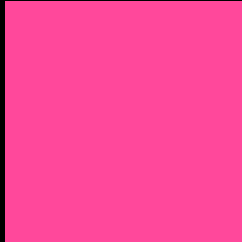
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.2613, 0.4433, 0.2533 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 28.2613, 0.4433, 0.2533

Background



This preview shows how black text looks on a background with the Yxy color 28.2613, 0.4433, 0.2533.



This preview shows how white text looks on a background with the Yxy color 28.2613, 0.4433, 0.2533.

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

28.2613, 0.4433, 0.2533

Protanopia

28.4512, 0.2503, 0.2433

Deuteranopia

28.4960, 0.3272, 0.3214



Tritanopia

28.2790, 0.5204, 0.3252

Trichromacy



Original Color

28.2613, 0.4433, 0.2533



Protanomaly

25.1819, 0.3059, 0.2372



Deuteranomaly

26.1300, 0.3697, 0.2848



Tritanomaly

27.9910, 0.4938, 0.2984

Monochromacy



Original Color

28.2613, 0.4433, 0.2533



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

23.3771, 0.3602, 0.2859

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2613, 0.4433, 0.2533 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, 72, 155)` looks like.

```
.text, #text, p{  
    color:rgb(255, 72, 155)  
}
```

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, 72, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 72, 155) }
```

Border

The CSS property to change the border of an element to Yxy 28.2613, 0.4433, 0.2533 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, 72, 155) }
```

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

```
.border{ border-color:rgb(255, 72, 155) }
```

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

Here you see how a box with a 4 pixel rgb(255, 72, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 72, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 72, 155);  
box-shadow:4px 4px 4px 4px rgb(255, 72,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2613, 0.4433, 0.2533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 72, 155) }
```

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

```
.background{ background-color: rgb(255, 72,  
155) }
```

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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