

Converting Colors

$Y_{xy}(28.1412, 0.4696, 0.2738)$

Have a look what the booklet for
Yxy(28.1412, 0.4696, 0.2738)
contains.

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Color

Yxy(28.0983, 0.4690, 0.2730)

Conversions

Conversions Part 1

Format	Color
Hex	FF4B89
RGB	255, 75, 137
RGB Percent	100%, 29%, 54%
CMY	0.0000, 0.7058, 0.4627
CMYK	0.00, 0.71, 0.46, 0.00
HSL	339°, 100%, 65%
HSV	339°, 71%, 100%
XYZ	48.2714, 28.0983, 26.5544
YIQ	135.8880, 87.3780, 57.4420

Conversions

Conversions Part 2

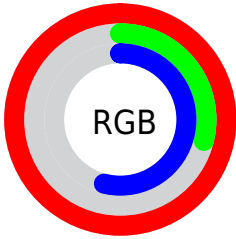
Format	Color
R _Y B	255, 75, 137
Decimal	16731017
CIE Lab	59.98, 71.43, 6.04
CIE LCh	60, 71.687, 4.833
Yxy	28.0983, 0.4690, 0.2730
Android (android.graphics.Color)	4294921097 (0xFFFF4B89)
YUV	135.8880, 0.5482, 104.4612
Hunter-Lab	53.0078, 69.7868, 7.4040

Details

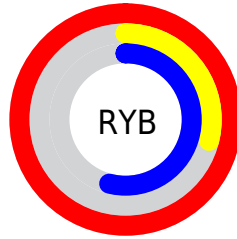
The Yxy color **28.0983, 0.4690, 0.2730** is a light color, and the websafe version is hex **FF6699**. The color can be described as light washed rose. A complement of this color would be **76.8630, 0.2570, 0.4091**, and the grayscale version is **24.5529, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.3057, 0.3813, 0.2725**, and **12.0420, 0.5153, 0.2612** is the 20% darker color. If you saturate the color by 10%, you get **24.8625, 0.5036, 0.2736**, and if you desaturate by 10%, it is **32.7965, 0.4359, 0.2767**.

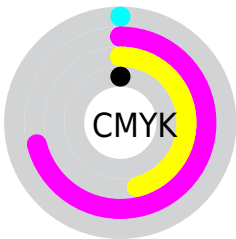
Distribution



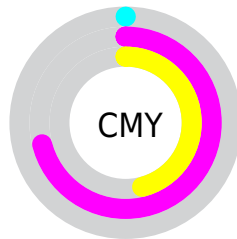
- Red (100%)
- Green (29%)
- Blue (54%)



- Red (100%)
- Yellow (29%)
- Blue (54%)



- Cyan (0%)
- Magenta (71%)
- Yellow (46%)
- Black (0%)




- Cyan (0%)
- Magenta (71%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.0983, 0.4690, 0.2730 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 28.0983, 0.4690, 0.2730 by changing the saturation by 10% instead.


 28.0983, 0.4690,
0.2730


 28.0983, 0.4690,
0.2730


292.9363, 0.3848,
0.3043


 18.3998, 0.4917,
0.2641


 56.6413, 0.4371,
0.2852


 11.2374, 0.5217,
0.2521


 76.2547, 0.4255,
0.2895

 6.2267, 0.5629,
0.2352

 99.9417, 0.4159,
0.2931

 2.9834, 0.6219,
0.2100

 128.0868, 0.4077,
0.2961

 1.1231, 0.7113,
0.1703

161.0744, 0.4007,
0.2986

 0.0000, 1.0000,
0.0000

199.2890, 0.3947,

 0.0000, 0.0000,

0.3008

0.0000

243.1148, 0.3895,
0.3027

■ 28.0983, 0.4690,
0.2730

■ 28.0983, 0.4690,
0.2730

■ 24.8625, 0.5036,
0.2736

■ 32.7965, 0.4359,
0.2767

■ 22.9042, 0.5369,
0.2792


■ 39.1034, 0.4059,
0.2835

■ 21.9612, 0.5648,
0.2885

■ 47.1525, 0.3800,
0.2920

■ 57.0618, 0.3582,
0.3013

■ 68.9393, 0.3402,
0.3107

 82.8842, 0.3254,
0.3199

98.9894, 0.3133,
0.3285

99.9991, 0.3127,
0.3290

Harmonies

Analogous

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



28.0983, 0.3497, 0.2139



28.0983, 0.4690, 0.2730



28.0983, 0.5355, 0.3432

Triad

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



28.0983, 0.4690, 0.2730



28.0983, 0.3501, 0.5499



28.0983, 0.1325, 0.1869

Complementary

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



28.0983, 0.4690, 0.2730



76.8630, 0.2570, 0.4091

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.



28.0983, 0.1316, 0.2508



28.0983, 0.4690, 0.2730



28.0983, 0.2473, 0.5046

Square

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



28.0983, 0.4690, 0.2730



28.0983, 0.4492, 0.4997



28.0983, 0.1682, 0.3703



28.0983, 0.1667, 0.1661

Rectangle

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



28.0983, 0.4690, 0.2730



28.0983, 0.5341, 0.3936



28.0983, 0.1682, 0.3703



28.0983, 0.1285, 0.2026

Sweetspot

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



28.0999, 0.4690, 0.2730



68.4054, 0.3409, 0.3103



23.4604, 0.2601, 0.1442



13.9013, 0.3455, 0.3077



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.



28.0999, 0.4690, 0.2730



23.8529, 0.5186, 0.2754



31.2722, 0.5326, 0.3524



18.0904, 0.3240, 0.3208



11.5009, 0.5604, 0.2861



1.1394, 0.5288, 0.2687

Inverse Universe

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



28.0999, 0.4690, 0.2730



23.8529, 0.5186, 0.2754



64.2018, 0.2241, 0.2954



18.0904, 0.3240, 0.3208



11.5009, 0.5604, 0.2861



1.1394, 0.5288, 0.2687

Previews

White Background



This preview shows how the Yxy color 28.0983, 0.4690, 0.2730 looks on a white background.

Color Contrast Check

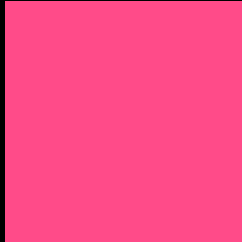
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.0983, 0.4690, 0.2730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

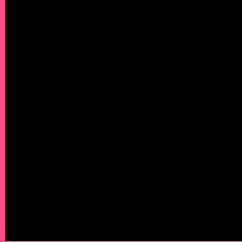
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.0983, 0.4690, 0.2730

Background



This preview shows how black text looks on a background with the Yxy color 28.0983, 0.4690, 0.2730.



This preview shows how white text looks on a background with the Yxy color 28.0983, 0.4690, 0.2730.

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

28.0983, 0.4690, 0.2730

Protanopia

28.0979, 0.2767, 0.2779

Deuteranopia

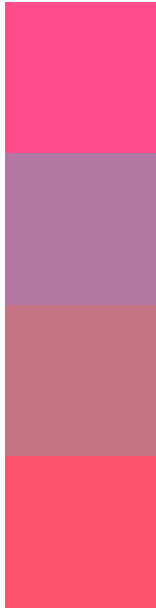
28.0231, 0.3537, 0.3460



Tritanopia

28.0892, 0.5263, 0.3262

Trichromacy



Original Color

28.0983, 0.4690, 0.2730

Protanomaly

25.2688, 0.3368, 0.2675

Deuteranomaly

26.1352, 0.3979, 0.3093

Tritanomaly

27.9788, 0.5073, 0.3073

Monochromacy



Original Color

28.0983, 0.4690, 0.2730

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

23.3959, 0.3690, 0.2972

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0983, 0.4690, 0.2730 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, 75, 137)` looks like.

```
.text, #text, p{  
    color:rgb(255, 75, 137)  
}
```

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, 75, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 75, 137) }
```

Border

The CSS property to change the border of an element to Yxy 28.0983, 0.4690, 0.2730 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, 75, 137) }
```

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

```
.border{ border-color:rgb(255, 75, 137) }
```

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

Here you see how a box with a 4 pixel rgb(255, 75, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 75, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 75, 137);  
box-shadow:4px 4px 4px 4px rgb(255, 75,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0983, 0.4690, 0.2730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 75, 137) }
```

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

```
.background{ background-color: rgb(255, 75,  
137) }
```

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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