

Converting Colors

$Y_{xy}(29.3114, 0.4012, 0.2250)$

Have a look what the booklet for
Yxy(29.3114, 0.4012, 0.2250)
contains.

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Color

Yxy(29.2693, 0.4010, 0.2246)

Conversions

Conversions Part 1

Format	Color
Hex	FF47B9
RGB	255, 71, 185
RGB Percent	100%, 28%, 73%
CMY	0.0000, 0.7217, 0.2745
CMYK	0.00, 0.72, 0.27, 0.00
HSL	323°, 100%, 64%
HSV	323°, 72%, 100%
XYZ	52.2573, 29.2693, 48.7909
YIQ	139.0120, 73.0700, 74.4620

Conversions

Conversions Part 2

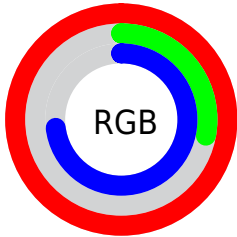
Format	Color
R_{YB}	255, 71, 185
Decimal	16730041
CIE Lab	61.02, 77.64, -20.26
CIE LCh	61, 80.235, 345.377
Yxy	29.2693, 0.4010, 0.2246
Android (android.graphics.Color)	4294920121 (0xFFFF47B9)
YUV	139.0120, 22.6721, 101.7215
Hunter-Lab	54.1011, 77.7396, -15.5997

Details

The Yxy color **29.2693, 0.4010, 0.2246** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light washed rose. A complement of this color would be **74.7810, 0.2779, 0.4815**, and the grayscale version is **25.7063, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.6611, 0.3304, 0.2248**, and **13.1353, 0.4225, 0.2101** is the 20% darker color. If you saturate the color by 10%, you get **26.2797, 0.4185, 0.2201**, and if you desaturate by 10%, it is **33.6385, 0.3840, 0.2337**.

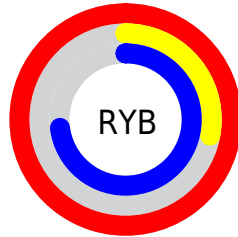
Distribution



Red (100%)

Green (28%)

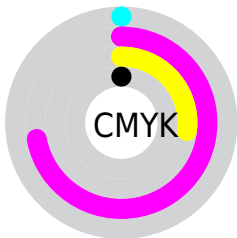
Blue (73%)



Red (100%)

Yellow (28%)

Blue (73%)

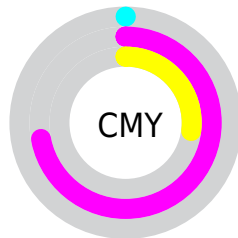


Cyan (0%)

Magenta (72%)

Yellow (27%)

Black (0%)



Cyan (0%)


Magenta (72%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.2693, 0.4010, 0.2246 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 29.2693, 0.4010, 0.2246 by changing the saturation by 10% instead.


 29.2693, 0.4010,
0.2246


 29.2693, 0.4010,
0.2246


298.4835, 0.3563,
0.2757

 19.2846, 0.4122,
0.2124

 58.5047, 0.3847,
0.2428


 11.8761, 0.4267,
0.1970


 78.5242, 0.3785,
0.2498

 6.6594, 0.4458,
0.1773


 102.6574, 0.3734,
0.2557

 3.2500, 0.4722,
0.1512

 131.2888, 0.3690,
0.2608

 1.2636, 0.5107,
0.1161

164.8027, 0.3651,
0.2652

 0.1128, 0.5961,
0.0257

203.5835, 0.3618,

 0.0000, 0.7411,

0.2691

0.0000

248.0156, 0.3589,
0.2726

■ 0.0000, 0.0000,
0.0000

■ 29.2693, 0.4010,
0.2246

■ 29.2693, 0.4010,
0.2246

■ 26.2797, 0.4185,
0.2201

■ 33.6385, 0.3840,
0.2337

■ 24.4976, 0.4359,
0.2209

■ 39.5509, 0.3683,
0.2463


■ 23.7285, 0.4491,
0.2248

■ 47.1346, 0.3541,
0.2612

■ 56.5073, 0.3417,
0.2774

■ 67.7760, 0.3309,
0.2939

 81.0394, 0.3218,
0.3101

 96.3890, 0.3142,
0.3257

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.



29.2693, 0.2695, 0.1761



29.2693, 0.4010, 0.2246



29.2693, 0.5200, 0.2918

Triad

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



29.2693, 0.4010, 0.2246



29.2693, 0.4193, 0.5381



29.2693, 0.1150, 0.2115

Complementary

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



29.2693, 0.4010, 0.2246



74.7810, 0.2779, 0.4815

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.



29.2693, 0.1370, 0.3196



29.2693, 0.4010, 0.2246



29.2693, 0.3088, 0.5724

Square

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



29.2693, 0.4010, 0.2246



29.2693, 0.5129, 0.4518



29.2693, 0.2045, 0.4784



29.2693, 0.1286, 0.1634

Rectangle

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



29.2693, 0.4010, 0.2246



29.2693, 0.5565, 0.3413



29.2693, 0.2045, 0.4784



29.2693, 0.1180, 0.2398

Sweetspot

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



29.2655, 0.4010, 0.2246



67.9818, 0.3308, 0.2942



17.1646, 0.2138, 0.1189



13.8536, 0.3335, 0.2897



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.



29.2655, 0.4010, 0.2246



25.2813, 0.4269, 0.2198



26.5985, 0.5309, 0.3098



18.1763, 0.3197, 0.3144



12.4287, 0.4464, 0.2233



1.2314, 0.4282, 0.2133

Inverse Universe

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



29.2655, 0.4010, 0.2246



25.2813, 0.4269, 0.2198



78.5978, 0.2408, 0.3591



18.1763, 0.3197, 0.3144



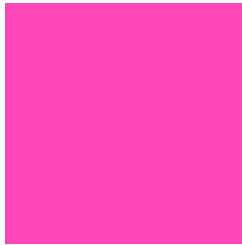
12.4287, 0.4464, 0.2233



1.2314, 0.4282, 0.2133

Previews

White Background



This preview shows how the Yxy color 29.2693, 0.4010, 0.2246 looks on a white background.

Color Contrast Check

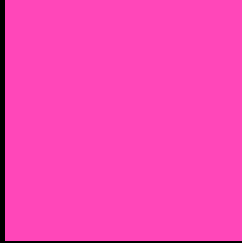
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.2693, 0.4010, 0.2246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

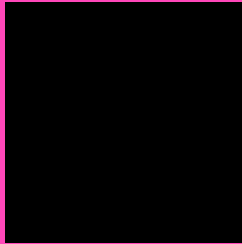
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.2693, 0.4010, 0.2246

Background



This preview shows how black text looks on a background with the Yxy color 29.2693, 0.4010, 0.2246.



This preview shows how white text looks on a background with the Yxy color 29.2693, 0.4010, 0.2246.

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

29.2693, 0.4010, 0.2246

Protanopia

29.5528, 0.2169, 0.1995

Deuteranopia

29.3376, 0.2880, 0.2824



Tritanopia

29.0805, 0.5029, 0.3239

Trichromacy



Original Color

29.2693, 0.4010, 0.2246



Protanomaly

25.6764, 0.2626, 0.1961



Deuteranomaly

26.5420, 0.3256, 0.2470



Tritanomaly

28.8307, 0.4680, 0.2854

Monochromacy



Original Color

29.2693, 0.4010, 0.2246



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

24.2587, 0.3459, 0.2701

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2693, 0.4010, 0.2246 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, 185)` looks like.

```
.text, #text, p{  
    color:rgb(255, 71, 185)  
}
```

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, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 71, 185) }
```

Border

The CSS property to change the border of an element to Yxy 29.2693, 0.4010, 0.2246 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, 185) }
```

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

```
.border{ border-color:rgb(255, 71, 185) }
```

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, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 71, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 71, 185);  
box-shadow:4px 4px 4px 4px rgb(255, 71,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 29.2693, 0.4010, 0.2246 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, 185) }
```

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

```
.background{ background-color: rgb(255, 71,  
185) }
```

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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