

Converting Colors

$Y_{xy}(29.7812, 0.3965, 0.2238)$

Have a look what the booklet for
Yxy(29.7812, 0.3965, 0.2238)
contains.

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Color

Yxy(29.7884, 0.3964, 0.2238)

Conversions

Conversions Part 1

Format	Color
Hex	FF4ABC
RGB	255, 74, 188
RGB Percent	100%, 29%, 74%
CMY	0.0001, 0.7097, 0.2627
CMYK	0.00, 0.71, 0.26, 0.00
HSL	322°, 100%, 65%
HSV	322°, 71%, 100%
XYZ	52.7619, 29.7884, 50.5524
YIQ	141.1150, 71.2820, 73.8260

Conversions

Conversions Part 2

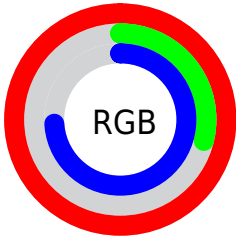
Format	Color
R _Y B	255, 74, 188
Decimal	16730812
CIE Lab	61.47, 77.00, -21.30
CIE LCh	61, 79.889, 344.540
Yxy	29.7884, 0.3964, 0.2238
Android (android.graphics.Color)	4294920892 (0xFFFF4ABC)
YUV	141.1150, 23.1143, 99.8771
Hunter-Lab	54.5788, 77.0453, -16.7110

Details

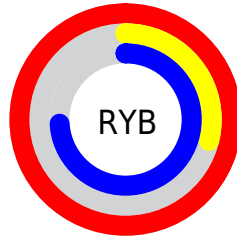
The Yxy color **29.7884, 0.3964, 0.2238** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light washed rose. A complement of this color would be **74.8890, 0.2788, 0.4811**, and the grayscale version is **26.5760, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.4000, 0.3276, 0.2241**, and **13.2186, 0.4165, 0.2068** is the 20% darker color. If you saturate the color by 10%, you get **26.6520, 0.4133, 0.2185**, and if you desaturate by 10%, it is **34.3331, 0.3801, 0.2336**.

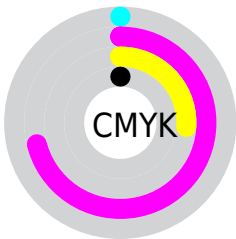
Distribution



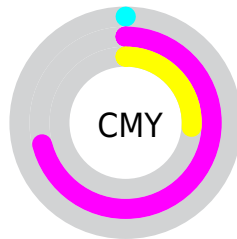
- Red (100%)
- Green (29%)
- Blue (74%)



- Red (100%)
- Yellow (29%)
- Blue (74%)



- Cyan (0%)
- Magenta (71%)
- Yellow (26%)
- Black (0%)





- Cyan (0%)
- Magenta (71%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.7884, 0.3964, 0.2238 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 29.7884, 0.3964, 0.2238 by changing the saturation by 10% instead.


 29.7884, 0.3964,
0.2238


 29.7884, 0.3964,
0.2238


300.9169, 0.3543,
0.2750


 19.6780, 0.4069,
0.2116


 59.3274, 0.3811,
0.2420

 12.1612, 0.4203,
0.1963


 79.5248, 0.3753,
0.2490

 6.8536, 0.4380,
0.1768


 103.8533, 0.3705,
0.2549

 3.3707, 0.4623,
0.1511

 132.6974, 0.3663,
0.2600

 1.3282, 0.4974,
0.1164

166.4414, 0.3627,
0.2645

 0.1629, 0.5716,
0.0347

205.4697, 0.3595,


 0.0000, 0.6824,


0.2684


0.0000


250.1668, 0.3568,
0.2719

 0.0000, 0.0000,
0.0000


 29.7884, 0.3964,
0.2238


 29.7884, 0.3964,
0.2238


 26.6520, 0.4133,
0.2185


 34.3331, 0.3801,
0.2336


 24.7406, 0.4301,
0.2184

 40.4307, 0.3651,
0.2467


 23.8162, 0.4449,
0.2224

 48.2127, 0.3515,
0.2621

 57.7953, 0.3396,
0.2786

 69.2842, 0.3294,
0.2953

 82.7772, 0.3207,
0.3118

 98.3651, 0.3134,
0.3275

99.9966, 0.3127,
0.3290

Harmonies

Analogous

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



29.7884, 0.2668, 0.1763



29.7884, 0.3964, 0.2238



29.7884, 0.5156, 0.2904

Triad

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



29.7884, 0.3964, 0.2238



29.7884, 0.4220, 0.5346



29.7884, 0.1165, 0.2147

Complementary

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



29.7884, 0.3964, 0.2238



74.8890, 0.2788, 0.4811

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.



29.7884, 0.1397, 0.3238



29.7884, 0.3964, 0.2238



29.7884, 0.3124, 0.5703

Square

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



29.7884, 0.3964, 0.2238



29.7884, 0.5138, 0.4491



29.7884, 0.2082, 0.4809



29.7884, 0.1290, 0.1654

Rectangle

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



29.7884, 0.3964, 0.2238



29.7884, 0.5537, 0.3396



29.7884, 0.2082, 0.4809



29.7884, 0.1198, 0.2435

Sweetspot

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



29.7900, 0.3964, 0.2238



69.2520, 0.3294, 0.2953



17.7294, 0.2157, 0.1219



14.1020, 0.3321, 0.2907



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.



29.7900, 0.3964, 0.2238



25.7488, 0.4201, 0.2178



27.0434, 0.5255, 0.3096



18.1796, 0.3195, 0.3141



12.4763, 0.4423, 0.2210



1.2359, 0.4247, 0.2113

Inverse Universe

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



29.7900, 0.3964, 0.2238



25.7488, 0.4201, 0.2178



78.7272, 0.2413, 0.3585



18.1796, 0.3195, 0.3141



12.4763, 0.4423, 0.2210



1.2359, 0.4247, 0.2113

Previews

White Background



This preview shows how the Yxy color 29.7884, 0.3964, 0.2238 looks on a white background.

Color Contrast Check

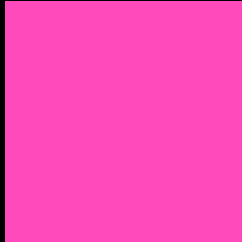
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7884, 0.3964, 0.2238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

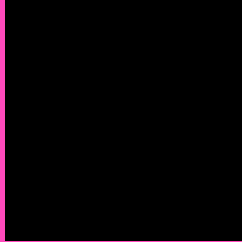
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.7884, 0.3964, 0.2238

Background



This preview shows how black text looks on a background with the Yxy color 29.7884, 0.3964, 0.2238.



This preview shows how white text looks on a background with the Yxy color 29.7884, 0.3964, 0.2238.

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

29.7884, 0.3964, 0.2238

Protanopia

30.3481, 0.2171, 0.2005

Deuteranopia

29.8547, 0.2864, 0.2798



Tritanopia

29.6913, 0.4971, 0.3238

Trichromacy



Original Color

29.7884, 0.3964, 0.2238



Protanomaly

26.4934, 0.2615, 0.1979



Deuteranomaly

27.2624, 0.3233, 0.2463



Tritanomaly

29.4033, 0.4624, 0.2849

Monochromacy



Original Color

29.7884, 0.3964, 0.2238



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

25.1363, 0.3441, 0.2718

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7884, 0.3964, 0.2238 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, 74, 188)` looks like.

```
.text, #text, p{  
    color:rgb(255, 74, 188)  
}
```

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, 74, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 74, 188) }
```

Border

The CSS property to change the border of an element to Yxy 29.7884, 0.3964, 0.2238 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, 74, 188) }
```

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

```
.border{ border-color:rgb(255, 74, 188) }
```

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

Here you see how a box with a 4 pixel rgb(255, 74, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 74, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 74, 188);  
box-shadow:4px 4px 4px 4px rgb(255, 74,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7884, 0.3964, 0.2238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 74, 188) }
```

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

```
.background{ background-color: rgb(255, 74,  
188) }
```

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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