

Converting Colors

$Y_{xy}(67.8296, 0.4789, 0.2540)$

Have a look what the booklet for
Yxy(67.8296, 0.4789, 0.2540)
contains.

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Color

Yxy(30.7243, 0.3616, 0.1988)

Conversions

Conversions Part 1

Format	Color
Hex	FF47D8
RGB	255, 71, 216
RGB Percent	100%, 28%, 85%
CMY	0.0000, 0.7215, 0.1530
CMYK	0.00, 0.72, 0.15, 0.00
HSL	313°, 100%, 64%
HSV	313°, 72%, 100%
XYZ	55.8848, 30.7243, 67.9396
YIQ	142.5460, 63.1190, 84.1030

Conversions

Conversions Part 2

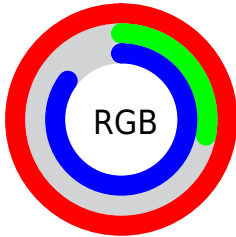
Format	Color
R_{YB}	255, 71, 216
Decimal	16730072
CIE _{Lab}	62.27, 81.49, -35.95
CIE _{LCh}	62, 89.067, 336.196
Yxy	30.7243, 0.3616, 0.1988
Android (android.graphics.Color)	4294920152 (0xFFFF47D8)
YUV	142.5460, 36.2128, 98.6222
Hunter-Lab	55.4295, 82.9647, -33.8708

Details

The Yxy color **30.7243, 0.3616, 0.1988** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **73.9844, 0.2899, 0.5209**, and the grayscale version is **27.1170, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.5302, 0.3181, 0.2136**, and **14.0425, 0.3694, 0.1809** is the 20% darker color. If you saturate the color by 10%, you get **27.8582, 0.3701, 0.1913**, and if you desaturate by 10%, it is **34.9622, 0.3531, 0.2108**.

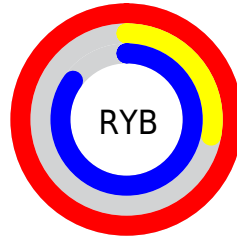
Distribution



Red (100%)

Green (28%)

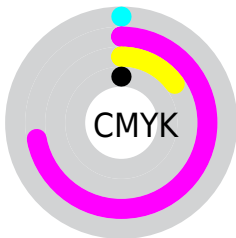
Blue (85%)



Red (100%)

Yellow (28%)

Blue (85%)

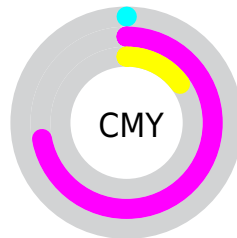


Cyan (0%)

Magenta (72%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (72%)

Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.7243, 0.3616, 0.1988 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 30.7243, 0.3616, 0.1988 by changing the saturation by 10% instead.


 30.7243, 0.3616,
0.1988


 30.7243, 0.3616,
0.1988


305.2662, 0.3394,
0.2595

 20.3890, 0.3664,
0.1852


 60.8057, 0.3541,
0.2198


 12.6781, 0.3721,
0.1685

 81.3207, 0.3511,
0.2279

 7.2073, 0.3790,
0.1480


 105.9976, 0.3485,
0.2350

 3.5921, 0.3873,
0.1222

 135.2210, 0.3462,
0.2412

 1.4481, 0.3969,
0.0899

169.3751, 0.3442,
0.2466

 0.2518, 0.4140,
0.0333

208.8444, 0.3425,

 0.0000, 0.4150,

0.2514

0.0000

254.0133, 0.3409,
0.2556

■ 0.0000, 0.2479,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 30.7243, 0.3616,
0.1988

■ 30.7243, 0.3616,
0.1988

■ 27.8582, 0.3701,
0.1913

■ 34.9622, 0.3531,
0.2108

■ 26.1764, 0.3783,
0.1885

■ 40.7190, 0.3449,
0.2264

■ 25.4727, 0.3845,
0.1892

■ 48.1276, 0.3372,
0.2446

■ 57.3054, 0.3302,
0.2644

68.3588, 0.3239,
0.2848

81.3861, 0.3184,
0.3052

96.4785, 0.3136,
0.3249

99.9992, 0.3127,
0.3290

Harmonies

Analogous

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



30.7243, 0.2298, 0.1566



30.7243, 0.3616, 0.1988



30.7243, 0.5053, 0.2642

Triad

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



30.7243, 0.3616, 0.1988



30.7243, 0.4549, 0.5220



30.7243, 0.1056, 0.2280

Complementary

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



30.7243, 0.3616, 0.1988



73.9844, 0.2899, 0.5209

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.



30.7243, 0.1402, 0.3677



30.7243, 0.3616, 0.1988



30.7243, 0.3397, 0.5942

Square

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



30.7243, 0.3616, 0.1988



30.7243, 0.5467, 0.4245



30.7243, 0.2248, 0.5421



30.7243, 0.1099, 0.1621

Rectangle

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



30.7243, 0.3616, 0.1988



30.7243, 0.5645, 0.3139



30.7243, 0.2248, 0.5421



30.7243, 0.1121, 0.2655

Sweetspot

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



30.7258, 0.3616, 0.1988



68.5382, 0.3238, 0.2851



14.9061, 0.1925, 0.1084



13.9858, 0.3254, 0.2796



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.



30.7258, 0.3616, 0.1988



26.9080, 0.3741, 0.1893



27.2807, 0.4867, 0.2808



18.2305, 0.3171, 0.3105



13.3333, 0.3833, 0.1885



1.3139, 0.3747, 0.1838

Inverse Universe

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



30.7258, 0.3616, 0.1988



26.9080, 0.3741, 0.1893



77.0189, 0.2532, 0.3999



18.2305, 0.3171, 0.3105



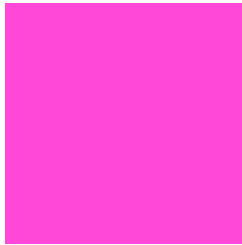
13.3333, 0.3833, 0.1885



1.3139, 0.3747, 0.1838

Previews

White Background



This preview shows how the Yxy color 30.7243, 0.3616, 0.1988 looks on a white background.

Color Contrast Check

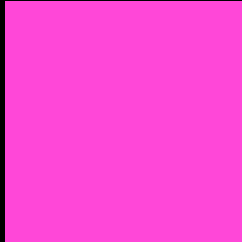
Large Text (above 18pt) WCAG AA × Fail

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 30.7243, 0.3616, 0.1988 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 ✓ Pass

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

Yxy 30.7243, 0.3616, 0.1988

Background



This preview shows how black text looks on a background with the Yxy color 30.7243, 0.3616, 0.1988.

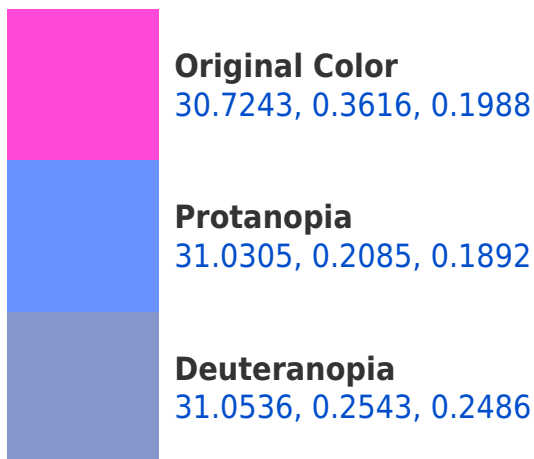


This preview shows how white text looks on a background with the Yxy color 30.7243, 0.3616, 0.1988.

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





Tritanopia

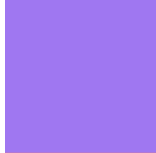
30.4608, 0.4814, 0.3225

Trichromacy



Original Color

30.7243, 0.3616, 0.1988



Protanomaly

26.9155, 0.2449, 0.1792



Deuteranomaly

27.8619, 0.2873, 0.2167



Tritanomaly

29.9640, 0.4394, 0.2725

Monochromacy



Original Color

30.7243, 0.3616, 0.1988



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

25.8152, 0.3323, 0.2570

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7243, 0.3616, 0.1988 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, 216)` looks like.

```
.text, #text, p{  
    color:rgb(255, 71, 216)  
}
```

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, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 71, 216) }
```

Border

The CSS property to change the border of an element to Yxy 30.7243, 0.3616, 0.1988 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, 216) }
```

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

```
.border{ border-color:rgb(255, 71, 216) }
```

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, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 71, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 71, 216);  
box-shadow:4px 4px 4px 4px rgb(255, 71,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7243, 0.3616, 0.1988 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, 216) }
```

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

```
.background{ background-color: rgb(255, 71,  
216) }
```

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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