

Converting Colors

$Y_{xy}(30.2925, 0.3643, 0.1990)$

Have a look what the booklet for
Yxy(30.2925, 0.3643, 0.1990)
contains.

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Color

Yxy(30.2493, 0.3642, 0.1987)

Conversions

Conversions Part 1

Format	Color
Hex	FF44D6
RGB	255, 68, 214
RGB Percent	100%, 27%, 84%
CMY	0.0000, 0.7333, 0.1607
CMYK	0.00, 0.73, 0.16, 0.00
HSL	313°, 100%, 63%
HSV	313°, 73%, 100%
XYZ	55.4444, 30.2493, 66.5424
YIQ	140.5570, 64.5860, 85.0500

Conversions

Conversions Part 2

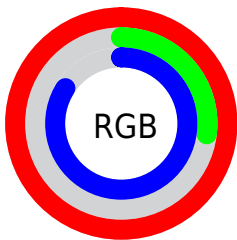
Format	Color
R _Y B	255, 68, 214
Decimal	16729302
CIE _{Lab}	61.87, 82.13, -35.47
CIE _{LCh}	62, 89.465, 336.644
Yxy	30.2493, 0.3642, 0.1987
Android (android.graphics.Color)	4294919382 (0xFFFF44D6)
YUV	140.5570, 36.2074, 100.3665
Hunter-Lab	54.9994, 83.6954, -33.2340

Details

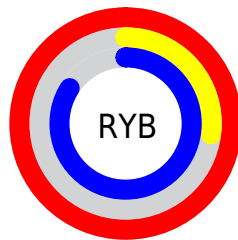
The Yxy color **30.2493, 0.3642, 0.1987** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **73.8505, 0.2894, 0.5226**, and the grayscale version is **26.2941, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.9825, 0.3182, 0.2119**, and **13.9725, 0.3728, 0.1827** is the 20% darker color. If you saturate the color by 10%, you get **27.5267, 0.3730, 0.1918**, and if you desaturate by 10%, it is **34.3246, 0.3554, 0.2101**.

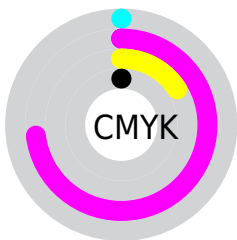
Distribution



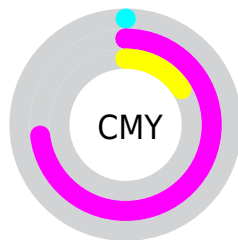
- Red (100%)
- Green (27%)
- Blue (84%)



- Red (100%)
- Yellow (27%)
- Blue (84%)



- Cyan (0%)
- Magenta (73%)
- Yellow (16%)
- Black (0%)




- Cyan (0%)
- Magenta (73%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.2493, 0.3642, 0.1987 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 30.2493, 0.3642, 0.1987 by changing the saturation by 10% instead.


 30.2493, 0.3642,
0.1987


 30.2493, 0.3642,
0.1987


303.0648, 0.3406,
0.2596


 20.0279, 0.3694,
0.1850


 60.0562, 0.3562,
0.2198

 12.4153, 0.3756,
0.1682


 80.4105, 0.3530,
0.2280

 7.0272, 0.3831,
0.1475


 104.9112, 0.3502,
0.2351

 3.4791, 0.3923,
0.1215

 133.9427, 0.3478,
0.2412

 1.3867, 0.4031,
0.0889

167.8894, 0.3457,
0.2467

 0.2069, 0.4237,
0.0286

207.1358, 0.3438,

 0.0000, 0.4255,

0.2515

0.0000

252.0661, 0.3421,
0.2557

■ 0.0000, 0.2484,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 30.2493, 0.3642,
0.1987

■ 30.2493, 0.3642,
0.1987

■ 27.5267, 0.3730,
0.1918

■ 34.3246, 0.3554,
0.2101

■ 25.9644, 0.3815,
0.1898

■ 39.9027, 0.3468,
0.2252


■ 25.3874, 0.3870,
0.1906

■ 47.1186, 0.3388,
0.2430

■ 56.0911, 0.3315,
0.2626

 66.9277, 0.3249,
0.2828

 79.7277, 0.3192,
0.3030

 94.5829, 0.3142,
0.3227

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.



30.2493, 0.2307, 0.1559



30.2493, 0.3642, 0.1987



30.2493, 0.5089, 0.2646

Triad

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



30.2493, 0.3642, 0.1987



30.2493, 0.4536, 0.5243



30.2493, 0.1041, 0.2255

Complementary

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



30.2493, 0.3642, 0.1987



73.8505, 0.2894, 0.5226

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.



30.2493, 0.1380, 0.3652



30.2493, 0.3642, 0.1987



30.2493, 0.3374, 0.5971

Square

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



30.2493, 0.3642, 0.1987



30.2493, 0.5471, 0.4258



30.2493, 0.2222, 0.5425



30.2493, 0.1090, 0.1603

Rectangle

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



30.2493, 0.3642, 0.1987



30.2493, 0.5675, 0.3145



30.2493, 0.2222, 0.5425



30.2493, 0.1104, 0.2628

Sweetspot

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



30.2508, 0.3642, 0.1987



68.5140, 0.3241, 0.2855



14.5771, 0.1925, 0.1064



13.9801, 0.3258, 0.2800



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.



30.2508, 0.3642, 0.1987



26.6664, 0.3770, 0.1903



26.7755, 0.4957, 0.2839



18.2282, 0.3172, 0.3106



13.2893, 0.3857, 0.1898



1.3100, 0.3768, 0.1849

Inverse Universe

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



30.2508, 0.3642, 0.1987



26.6664, 0.3770, 0.1903



77.0116, 0.2516, 0.3970



18.2282, 0.3172, 0.3106



13.2893, 0.3857, 0.1898



1.3100, 0.3768, 0.1849

Previews

White Background



This preview shows how the Yxy color 30.2493, 0.3642, 0.1987 looks on a white background.

Color Contrast Check

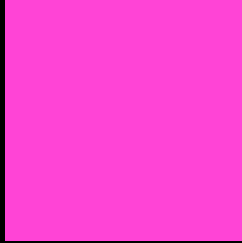
Large Text (above 18pt) WCAG AA × Fail

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 30.2493, 0.3642, 0.1987 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 30.2493, 0.3642, 0.1987

Background



This preview shows how black text looks on a background with the Yxy color 30.2493, 0.3642, 0.1987.

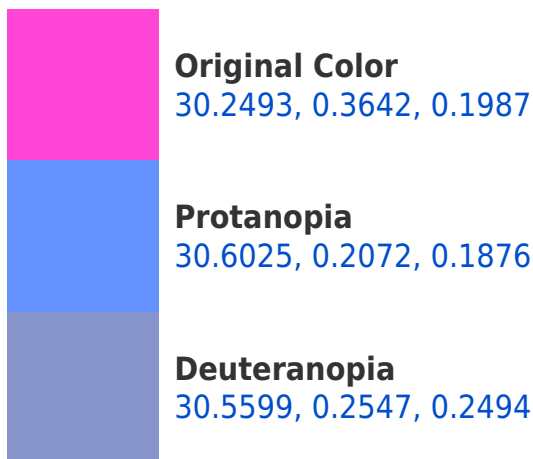


This preview shows how white text looks on a background with the Yxy color 30.2493, 0.3642, 0.1987.

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

30.0193, 0.4853, 0.3225

Trichromacy



Original Color

30.2493, 0.3642, 0.1987



Protanomaly

26.5172, 0.2445, 0.1786



Deuteranomaly

27.1636, 0.2880, 0.2160



Tritanomaly

29.5586, 0.4430, 0.2729

Monochromacy



Original Color

30.2493, 0.3642, 0.1987



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

24.8069, 0.3327, 0.2549

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2493, 0.3642, 0.1987 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, 68, 214)` looks like.

```
.text, #text, p{  
    color:rgb(255, 68, 214)  
}
```

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, 68, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 68, 214) }
```

Border

The CSS property to change the border of an element to Yxy 30.2493, 0.3642, 0.1987 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, 68, 214) }
```

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

```
.border{ border-color:rgb(255, 68, 214) }
```

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

Here you see how a box with a 4 pixel rgb(255, 68, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 68, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 68, 214);  
box-shadow:4px 4px 4px 4px rgb(255, 68,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2493, 0.3642, 0.1987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 68, 214) }
```

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

```
.background{ background-color: rgb(255, 68,  
214) }
```

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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