

Converting Colors

$Y_{xy}(62.7925, 0.4992, 0.2958)$

Have a look what the booklet for
Yxy(62.7925, 0.4992, 0.2958)
contains.

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Color

Yxy(36.1218, 0.4128, 0.2745)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FF72A8 |
| RGB | 255, 114, 168 |
| RGB Percent | 100%, 45%, 66% |
| CMY | 0.0000, 0.5529, 0.3412 |
| CMYK | 0.00, 0.55, 0.34, 0.00 |
| HSL | 337°, 100%, 72% |
| HSV | 337°, 55%, 100% |
| XYZ | 54.3209, 36.1218, 41.1486 |
| YIQ | 162.3150, 66.7020, 46.6860 |

Conversions

Conversions Part 2

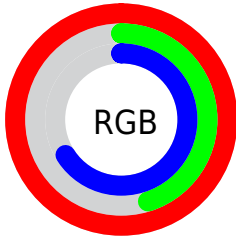
| Format | Color |
|-------------------------------------|------------------------------|
| R _Y B | 255, 114, 168 |
| Decimal | 16741032 |
| CIE Lab | 66.61, 58.84, -2.16 |
| CIE LCh | 67, 58.884, 357.896 |
| Yxy | 36.1218, 0.4128, 0.2745 |
| Android (android.graphics.Color) | 4294931112 (0xFFFF72A8) |
| YUV | 162.3150, 2.8027, 81.2847 |
| Hunter-Lab | 60.1014, 56.1544, 1.4779 |

Details

The Yxy color **36.1218, 0.4128, 0.2745** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **79.3090, 0.2658, 0.3959**, and the grayscale version is **36.2525, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.3372, 0.3427, 0.2751**, and **15.7893, 0.4442, 0.2586** is the 20% darker color. If you saturate the color by 10%, you get **30.5983, 0.4422, 0.2681**, and if you desaturate by 10%, it is **43.3229, 0.3869, 0.2833**.

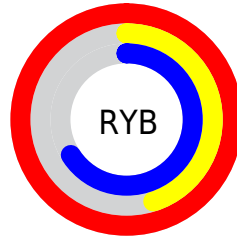
Distribution



Red (100%)

Green (45%)

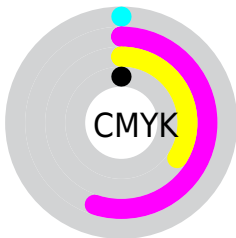
Blue (66%)



Red (100%)

Yellow (45%)

Blue (66%)

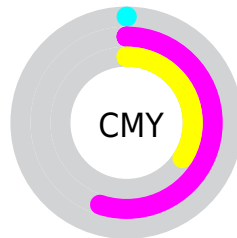


Cyan (0%)

Magenta (55%)

Yellow (34%)

Black (0%)



Cyan (0%)


Magenta (55%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.1218, 0.4128, 0.2745 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 36.1218, 0.4128, 0.2745 by changing the saturation by 10% instead.

 36.1218, 0.4128,
0.2745


 36.1218, 0.4128,
0.2745


329.4926, 0.3611,
0.3024


 24.5283, 0.4261,
0.2674


 69.2200, 0.3937,
0.2848

 15.7260, 0.4435,
0.2582


 91.4935, 0.3866,
0.2886

 9.3304, 0.4669,
0.2459


 118.0958, 0.3807,
0.2918

 4.9573, 0.5000,
0.2285

149.4112, 0.3756,
0.2945

 2.2223, 0.5501,
0.2027

185.8242, 0.3712,
0.2969

 0.7321, 0.6335,
0.1597

227.7192, 0.3674,


 0.0000, 1.0000,


0.2990


0.0000


275.4805, 0.3641,
0.3008


 0.0000, 0.0000,
0.0000


 36.1218, 0.4128,
0.2745

 36.1218, 0.4128,
0.2745

 30.5983, 0.4422,
0.2681


 43.3229, 0.3869,
0.2833


 26.6075, 0.4739,
0.2655


 52.3195, 0.3647,
0.2933


 23.9887, 0.5062,
0.2677

 63.2255, 0.3462,
0.3038

 22.5420, 0.5364,
0.2753

 76.1434, 0.3309,
0.3142

 22.1323, 0.5497,
0.2802

 91.1685, 0.3184,
0.3240

99.9977, 0.3127,
0.3290

Harmonies

Analogous

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



36.1218, 0.3213, 0.2281



36.1218, 0.4128, 0.2745



36.1218, 0.4766, 0.3331

Triad

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



36.1218, 0.4128, 0.2745



36.1218, 0.3687, 0.4939



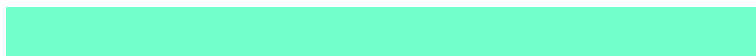
36.1218, 0.1639, 0.2272

Complementary

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



36.1218, 0.4128, 0.2745



79.3090, 0.2658, 0.3959

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.



36.1218, 0.1719, 0.2905



36.1218, 0.4128, 0.2745



36.1218, 0.2849, 0.4713

Square

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



36.1218, 0.4128, 0.2745



36.1218, 0.4424, 0.4570



36.1218, 0.2132, 0.3857



36.1218, 0.1864, 0.1998

Rectangle

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



36.1218, 0.4128, 0.2745



36.1218, 0.4888, 0.3751



36.1218, 0.2132, 0.3857



36.1218, 0.1630, 0.2440

Sweetspot

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



36.1237, 0.4128, 0.2745



73.7873, 0.3333, 0.3124



31.6691, 0.2705, 0.1779



15.2178, 0.3363, 0.3103



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.



36.1237, 0.4128, 0.2745



30.2665, 0.4444, 0.2678



38.5628, 0.4693, 0.3459



18.1022, 0.3234, 0.3199



11.5927, 0.5454, 0.2778



1.1493, 0.5147, 0.2609

Inverse Universe

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



36.1237, 0.4128, 0.2745



30.2665, 0.4444, 0.2678



72.2629, 0.2385, 0.3094



18.1022, 0.3234, 0.3199



11.5927, 0.5454, 0.2778



1.1493, 0.5147, 0.2609

Previews

White Background



This preview shows how the Yxy color 36.1218, 0.4128, 0.2745 looks on a white background.

Color Contrast Check

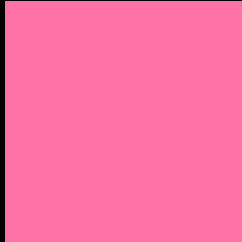
Large Text (above 18pt) WCAG AA × Fail

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 36.1218, 0.4128, 0.2745 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 36.1218, 0.4128, 0.2745

Background



This preview shows how black text looks on a background with the Yxy color 36.1218, 0.4128, 0.2745.



This preview shows how white text looks on a background with the Yxy color 36.1218, 0.4128, 0.2745.

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

36.1218, 0.4128, 0.2745

Protanopia

36.3910, 0.2770, 0.2789

Deuteranopia

36.1521, 0.3297, 0.3235



Tritanopia

36.2262, 0.4534, 0.3212

Trichromacy



Original Color

36.1218, 0.4128, 0.2745



Protanomaly

34.5681, 0.3203, 0.2746



Deuteranomaly

34.8519, 0.3587, 0.3000



Tritanomaly

36.0899, 0.4388, 0.3037

Monochromacy



Original Color

36.1218, 0.4128, 0.2745



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

34.6669, 0.3473, 0.3041

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.1218, 0.4128, 0.2745 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, 114, 168)` looks like.

```
.text, #text, p{  
    color:rgb(255, 114, 168)  
}
```

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, 114, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 114, 168) }
```

Border

The CSS property to change the border of an element to Yxy 36.1218, 0.4128, 0.2745 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, 114, 168) }
```

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

```
.border{ border-color:rgb(255, 114, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 114, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 114, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 114, 168);  
box-shadow:4px 4px 4px 4px rgb(255, 114,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 36.1218, 0.4128, 0.2745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 114, 168) }
```

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

```
.background{ background-color: rgb(255,  
114, 168) }
```

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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