

Converting Colors

$Y_{xy}(36.0617, 0.4078, 0.2693)$

Have a look what the booklet for
Yxy(36.0617, 0.4078, 0.2693)
contains.

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Color

Yxy(36.0488, 0.4082, 0.2695)

Conversions

Conversions Part 1

Format	Color
Hex	FF71AC
RGB	255, 113, 172
RGB Percent	100%, 44%, 67%
CMY	0.0000, 0.5570, 0.3255
CMYK	0.00, 0.56, 0.33, 0.00
HSL	335°, 100%, 72%
HSV	335°, 56%, 100%
XYZ	54.6016, 36.0488, 43.1114
YIQ	162.1840, 65.6930, 48.4530

Conversions

Conversions Part 2

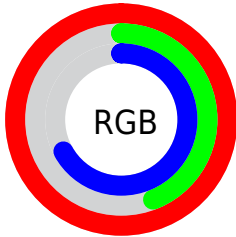
Format	Color
R _Y B	255, 113, 172
Decimal	16740780
CIE Lab	66.56, 59.80, -4.52
CIE LCh	67, 59.969, 355.676
Yxy	36.0488, 0.4082, 0.2695
Android (android.graphics.Color)	4294930860 (0xFFFF71AC)
YUV	162.1840, 4.8393, 81.3996
Hunter-Lab	60.0407, 57.2585, -0.5440

Details

The Yxy color **36.0488, 0.4082, 0.2695** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **79.0135, 0.2677, 0.4027**, and the grayscale version is **36.1685, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.1820, 0.3394, 0.2703**, and **15.6905, 0.4375, 0.2518** is the 20% darker color. If you saturate the color by 10%, you get **30.5917, 0.4357, 0.2625**, and if you desaturate by 10%, it is **43.1579, 0.3837, 0.2790**.

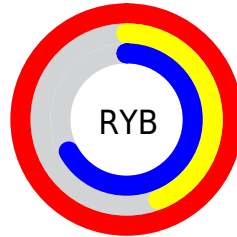
Distribution



Red (100%)

Green (44%)

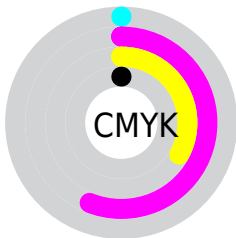
Blue (67%)



Red (100%)

Yellow (44%)

Blue (67%)

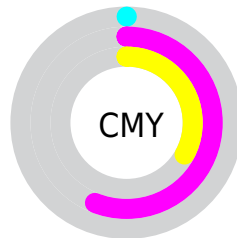


Cyan (0%)

Magenta (56%)

Yellow (33%)

Black (0%)



Cyan (0%)


Magenta (56%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.0488, 0.4082, 0.2695 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 36.0488, 0.4082, 0.2695 by changing the saturation by 10% instead.

 36.0488, 0.4082,
0.2695


 36.0488, 0.4082,
0.2695


329.1738, 0.3591,
0.2996

 24.4719, 0.4208,
0.2619


 69.1074, 0.3901,
0.2805

 15.6840, 0.4372,
0.2522


 91.3578, 0.3834,
0.2846

 9.3008, 0.4592,
0.2393


 117.9349, 0.3777,
0.2881

 4.9379, 0.4904,
0.2213

149.2231, 0.3729,
0.2910

 2.2109, 0.5373,
0.1949

185.6066, 0.3687,
0.2936

 0.7259, 0.6155,
0.1518

227.4700, 0.3651,

 0.0000, 1.0000,

0.2959

0.0000

275.1976, 0.3619,
0.2978

■ 0.0000, 0.0000,
0.0000

■ 36.0488, 0.4082,
0.2695

■ 36.0488, 0.4082,
0.2695

■ 30.5917, 0.4357,
0.2625

■ 43.1579, 0.3837,
0.2790

■ 26.6617, 0.4655,
0.2593

■ 52.0578, 0.3628,
0.2899

■ 24.0909, 0.4958,
0.2612

■ 62.8553, 0.3452,
0.3012

■ 22.6775, 0.5245,
0.2685

■ 75.6532, 0.3306,
0.3124

■ 22.3002, 0.5362,
0.2727

■ 90.5467, 0.3186,
0.3232

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.



36.0488, 0.3144, 0.2238



36.0488, 0.4082, 0.2695



36.0488, 0.4767, 0.3281

Triad

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



36.0488, 0.4082, 0.2695



36.0488, 0.3754, 0.4958



36.0488, 0.1612, 0.2288

Complementary

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



36.0488, 0.4082, 0.2695



79.0135, 0.2677, 0.4027

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.



36.0488, 0.1715, 0.2958



36.0488, 0.4082, 0.2695



36.0488, 0.2902, 0.4787

Square

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



36.0488, 0.4082, 0.2695



36.0488, 0.4488, 0.4547



36.0488, 0.2158, 0.3944



36.0488, 0.1817, 0.1987

Rectangle

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



36.0488, 0.4082, 0.2695



36.0488, 0.4919, 0.3706



36.0488, 0.2158, 0.3944



36.0488, 0.1611, 0.2468

Sweetspot

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



36.0438, 0.4082, 0.2695



73.8666, 0.3323, 0.3110



30.7372, 0.2660, 0.1752



15.2365, 0.3351, 0.3088



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.



36.0438, 0.4082, 0.2695



29.9958, 0.4395, 0.2618



37.0714, 0.4742, 0.3412



18.1123, 0.3229, 0.3192



11.6804, 0.5320, 0.2704



1.1584, 0.5024, 0.2542

Inverse Universe

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



36.0438, 0.4082, 0.2695



29.9958, 0.4395, 0.2618



74.9290, 0.2394, 0.3149



18.1123, 0.3229, 0.3192



11.6804, 0.5320, 0.2704



1.1584, 0.5024, 0.2542

Previews

White Background



This preview shows how the Yxy color 36.0488, 0.4082, 0.2695 looks on a white background.

Color Contrast Check

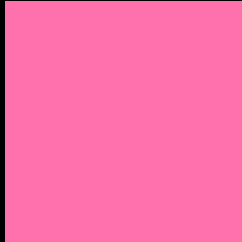
Large Text (above 18pt) WCAG AA × Fail

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 36.0488, 0.4082, 0.2695 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 36.0488, 0.4082, 0.2695

Background



This preview shows how black text looks on a background with the Yxy color 36.0488, 0.4082, 0.2695.



This preview shows how white text looks on a background with the Yxy color 36.0488, 0.4082, 0.2695.

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

36.0488, 0.4082, 0.2695

Protanopia

36.4294, 0.2718, 0.2723

Deuteranopia

36.1777, 0.3250, 0.3179



Tritanopia

35.7957, 0.4530, 0.3202

Trichromacy



Original Color

36.0488, 0.4082, 0.2695



Protanomaly

34.5269, 0.3136, 0.2682



Deuteranomaly

34.8560, 0.3534, 0.2949



Tritanomaly

35.6966, 0.4370, 0.3015

Monochromacy



Original Color

36.0488, 0.4082, 0.2695



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

34.4355, 0.3455, 0.3002

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.0488, 0.4082, 0.2695 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, 113, 172)` looks like.

```
.text, #text, p{  
    color:rgb(255, 113, 172)  
}
```

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, 113, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 113, 172) }
```

Border

The CSS property to change the border of an element to Yxy 36.0488, 0.4082, 0.2695 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, 113, 172) }
```

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

```
.border{ border-color:rgb(255, 113, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 113, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 113, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 113, 172);  
box-shadow:4px 4px 4px 4px rgb(255, 113,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 36.0488, 0.4082, 0.2695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 113, 172) }
```

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

```
.background{ background-color: rgb(255,  
113, 172) }
```

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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