

Converting Colors

$Y_{xy}(36.5153, 0.4039, 0.2649)$

Have a look what the booklet for
Yxy(36.5153, 0.4039, 0.2649)
contains.

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Color

Yxy(36.2446, 0.4020, 0.2645)

Conversions

Conversions Part 1

Format	Color
Hex	FF71B1
RGB	255, 113, 177
RGB Percent	100%, 44%, 69%
CMY	0.0000, 0.5569, 0.3058
CMYK	0.00, 0.56, 0.31, 0.00
HSL	333°, 100%, 72%
HSV	333°, 56%, 100%
XYZ	55.0863, 36.2446, 45.6997
YIQ	162.7540, 64.0880, 50.0080

Conversions

Conversions Part 2

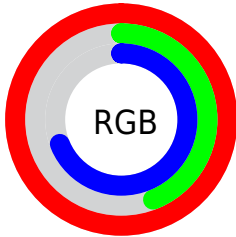
Format	Color
R_{YB}	255, 113, 177
Decimal	16740785
CIE _{Lab}	66.71, 60.38, -7.15
CIE _{LCh}	67, 60.803, 353.250
Yxy	36.2446, 0.4020, 0.2645
Android (android.graphics.Color)	4294930865 (0xFFFF71B1)
YUV	162.7540, 7.0233, 80.8997
Hunter-Lab	60.2035, 57.9717, -2.8639

Details

The Yxy color **36.2446, 0.4020, 0.2645** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **78.7905, 0.2700, 0.4093**, and the grayscale version is **36.4460, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.5191, 0.3344, 0.2647**, and **15.7897, 0.4301, 0.2468** is the 20% darker color. If you saturate the color by 10%, you get **30.8016, 0.4275, 0.2567**, and if you desaturate by 10%, it is **43.3415, 0.3793, 0.2749**.

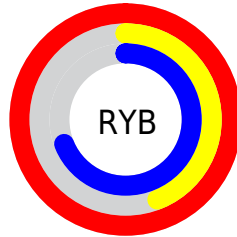
Distribution



Red (100%)

Green (44%)

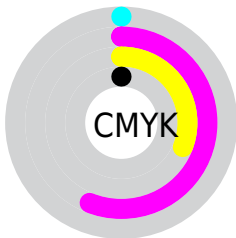
Blue (69%)



Red (100%)

Yellow (44%)

Blue (69%)

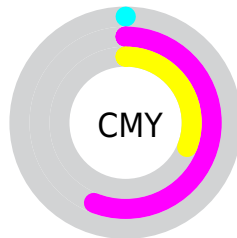


Cyan (0%)

Magenta (56%)

Yellow (31%)

Black (0%)



Cyan (0%)


Magenta (56%)

Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.2446, 0.4020, 0.2645 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 36.2446, 0.4020, 0.2645 by changing the saturation by 10% instead.


 36.2446, 0.4020,
0.2645


 36.2446, 0.4020,
0.2645


330.0284, 0.3564,
0.2967


 24.6232, 0.4136,
0.2565


 69.4094, 0.3852,
0.2762

 15.7965, 0.4287,
0.2463


 91.7216, 0.3790,
0.2806

 9.3803, 0.4489,
0.2329


 118.3662, 0.3737,
0.2843

 4.9900, 0.4773,
0.2144

149.7275, 0.3692,
0.2875

 2.2414, 0.5199,
0.1877

186.1900, 0.3654,
0.2903

 0.7424, 0.5902,
0.1454

228.1380, 0.3620,

 0.0000, 0.9188,

0.2927

0.0000

275.9560, 0.3590,
0.2948

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.2446, 0.4020,
0.2645

■ 36.2446, 0.4020,
0.2645

■ 30.8016, 0.4275,
0.2567

■ 43.3415, 0.3793,
0.2749

■ 26.8751, 0.4550,
0.2527

■ 52.2175, 0.3598,
0.2867

■ 24.3016, 0.4832,
0.2538

■ 62.9837, 0.3433,
0.2989

■ 22.8801, 0.5101,
0.2605

■ 75.7423, 0.3296,
0.3111

■ 22.4973, 0.5213,
0.2645

■ 90.5884, 0.3182,
0.3227

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.



36.2446, 0.3069, 0.2198



36.2446, 0.4020, 0.2645



36.2446, 0.4749, 0.3229

Triad

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



36.2446, 0.4020, 0.2645



36.2446, 0.3825, 0.4960



36.2446, 0.1594, 0.2316

Complementary

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



36.2446, 0.4020, 0.2645



78.7905, 0.2700, 0.4093

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.



36.2446, 0.1724, 0.3024



36.2446, 0.4020, 0.2645



36.2446, 0.2967, 0.4851

Square

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



36.2446, 0.4020, 0.2645



36.2446, 0.4549, 0.4510



36.2446, 0.2198, 0.4036



36.2446, 0.1777, 0.1986

Rectangle

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



36.2446, 0.4020, 0.2645



36.2446, 0.4935, 0.3654



36.2446, 0.2198, 0.4036



36.2446, 0.1601, 0.2508

Sweetspot

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



36.2440, 0.4020, 0.2645



73.9528, 0.3312, 0.3095



29.8130, 0.2599, 0.1726



15.2568, 0.3338, 0.3071



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.



36.2440, 0.4020, 0.2645



30.2037, 0.4310, 0.2559



35.3447, 0.4790, 0.3341



18.1233, 0.3223, 0.3183



11.7845, 0.5172, 0.2623



1.1691, 0.4893, 0.2469

Inverse Universe

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



36.2440, 0.4020, 0.2645



30.2037, 0.4310, 0.2559



79.2672, 0.2412, 0.3233



18.1233, 0.3223, 0.3183



11.7845, 0.5172, 0.2623



1.1691, 0.4893, 0.2469

Previews

White Background



This preview shows how the Yxy color 36.2446, 0.4020, 0.2645 looks on a white background.

Color Contrast Check

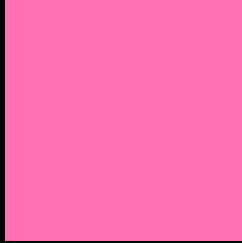
Large Text (above 18pt) WCAG AA × Fail

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 36.2446, 0.4020, 0.2645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

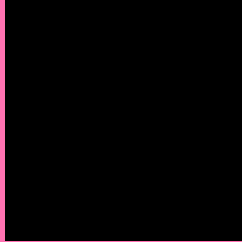
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.2446, 0.4020, 0.2645

Background



This preview shows how black text looks on a background with the Yxy color 36.2446, 0.4020, 0.2645.



This preview shows how white text looks on a background with the Yxy color 36.2446, 0.4020, 0.2645.

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

36.2446, 0.4020, 0.2645

Protanopia

36.5278, 0.2659, 0.2646

Deuteranopia

36.4700, 0.3183, 0.3124



Tritanopia

36.0670, 0.4513, 0.3201

Trichromacy



Original Color

36.2446, 0.4020, 0.2645

Protanomaly

34.6691, 0.3071, 0.2610

Deuteranomaly

35.2005, 0.3469, 0.2899

Tritanomaly

36.0272, 0.4328, 0.2994

Monochromacy



Original Color

36.2446, 0.4020, 0.2645

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

34.8137, 0.3432, 0.2990

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.2446, 0.4020, 0.2645 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, 177)` looks like.

```
.text, #text, p{  
    color:rgb(255, 113, 177)  
}
```

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, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 113, 177) }
```

Border

The CSS property to change the border of an element to Yxy 36.2446, 0.4020, 0.2645 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, 177) }
```

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

```
.border{ border-color:rgb(255, 113, 177) }
```

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, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 113, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 113, 177);  
box-shadow:4px 4px 4px 4px rgb(255, 113,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 36.2446, 0.4020, 0.2645 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, 177) }
```

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

```
.background{ background-color: rgb(255,  
113, 177) }
```

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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