

Converting Colors

$Y_{xy}(32.7214, 0.4507, 0.2898)$

Have a look what the booklet for
Yxy(32.7214, 0.4507, 0.2898)
contains.

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Color

Yxy(32.7157, 0.4510, 0.2900)

Conversions

Conversions Part 1

Format	Color
Hex	FF668E
RGB	255, 102, 142
RGB Percent	100%, 40%, 56%
CMY	0.0000, 0.6000, 0.4432
CMYK	0.00, 0.60, 0.44, 0.00
HSL	344°, 100%, 70%
HSV	344°, 60%, 100%
XYZ	50.8786, 32.7157, 29.2185
YIQ	152.3070, 78.3480, 44.8760

Conversions

Conversions Part 2

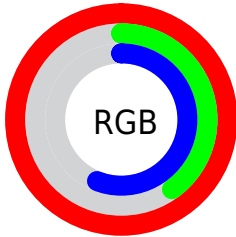
Format	Color
R _{YB}	255, 102, 142
Decimal	16737934
CIE Lab	63.93, 61.45, 8.81
CIE LCh	64, 62.080, 8.157
Yxy	32.7157, 0.4510, 0.2900
Android (android.graphics.Color)	4294928014 (0xFFFF668E)
YUV	152.3070, -5.0814, 90.0618
Hunter-Lab	57.1976, 58.6838, 9.7510

Details

The Yxy color **32.7157, 0.4510, 0.2900** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **79.2509, 0.2554, 0.3782**, and the grayscale version is **31.5322, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.9964, 0.3704, 0.2917**, and **13.6960, 0.4955, 0.2746** is the 20% darker color. If you saturate the color by 10%, you get **27.9307, 0.4888, 0.2878**, and if you desaturate by 10%, it is **39.1328, 0.4168, 0.2949**.

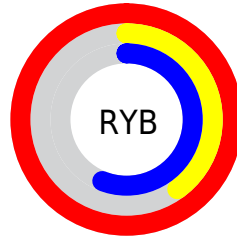
Distribution



Red (100%)

Green (40%)

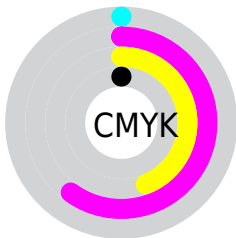
Blue (56%)



Red (100%)

Yellow (40%)

Blue (56%)

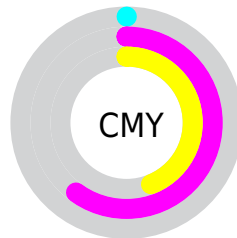


Cyan (0%)

Magenta (60%)

Yellow (44%)

Black (0%)



Cyan (0%)


Magenta (60%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.7157, 0.4510, 0.2900 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 32.7157, 0.4510, 0.2900 by changing the saturation by 10% instead.


 32.7157, 0.4510,
0.2900


 32.7157, 0.4510,
0.2900


314.3667, 0.3778,
0.3121


 21.9087, 0.4704,
0.2836


 63.9314, 0.4235,
0.2987

 13.7899, 0.4958,
0.2750


 85.1090, 0.4135,
0.3017

 7.9747, 0.5304,
0.2627


 110.5122, 0.4050,
0.3042

 4.0787, 0.5797,
0.2441

 140.5254, 0.3979,
0.3063

 1.7177, 0.6536,
0.2137

175.5331, 0.3918,
0.3081

 0.4351, 0.8483,
0.1517

215.9196, 0.3865,

 0.0000, 1.0000,

0.3096

0.0000

262.0693, 0.3819,
0.3110

■ 0.0000, 0.0000,
0.0000

■ 32.7157, 0.4510,
0.2900

■ 32.7157, 0.4510,
0.2900

■ 27.9307, 0.4888,
0.2878

■ 39.1328, 0.4168,
0.2949

■ 24.6328, 0.5278,
0.2893

■ 47.3209, 0.3873,
0.3013

■ 22.6400, 0.5641,
0.2952

■ 57.3965, 0.3627,
0.3083

■ 21.6611, 0.5940,
0.3046

■ 69.4683, 0.3425,
0.3155

■ 83.6363, 0.3260,
0.3225

99.9940, 0.3127,
0.3290

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.



32.7157, 0.3561, 0.2356



32.7157, 0.4510, 0.2900



32.7157, 0.5009, 0.3541

Triad

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



32.7157, 0.4510, 0.2900



32.7157, 0.3403, 0.5101



32.7157, 0.1583, 0.2050

Complementary

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



32.7157, 0.4510, 0.2900



79.2509, 0.2554, 0.3782

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.



32.7157, 0.1551, 0.2580



32.7157, 0.4510, 0.2900



32.7157, 0.2521, 0.4594

Square

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



32.7157, 0.4510, 0.2900



32.7157, 0.4259, 0.4843



32.7157, 0.1857, 0.3523



32.7157, 0.1928, 0.1881

Rectangle

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



32.7157, 0.4510, 0.2900



32.7157, 0.4984, 0.3993



32.7157, 0.1857, 0.3523



32.7157, 0.1537, 0.2182

Sweetspot

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



32.7136, 0.4510, 0.2900



72.1357, 0.3389, 0.3169



31.0469, 0.2817, 0.1729



14.6167, 0.3441, 0.3149



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.



32.7136, 0.4510, 0.2900



27.1588, 0.4966, 0.2878



40.3082, 0.4765, 0.3646



18.0650, 0.3253, 0.3228



11.3390, 0.5899, 0.3024



1.1211, 0.5583, 0.2849

Inverse Universe

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



32.7136, 0.4510, 0.2900



27.1588, 0.4966, 0.2878



60.8629, 0.2291, 0.2850



18.0650, 0.3253, 0.3228



11.3390, 0.5899, 0.3024



1.1211, 0.5583, 0.2849

Previews

White Background



This preview shows how the Yxy color 32.7157, 0.4510, 0.2900 looks on a white background.

Color Contrast Check

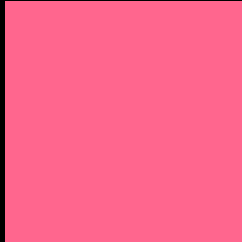
Large Text (above 18pt) WCAG AA × Fail

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 32.7157, 0.4510, 0.2900 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 32.7157, 0.4510, 0.2900

Background



This preview shows how black text looks on a background with the Yxy color 32.7157, 0.4510, 0.2900.



This preview shows how white text looks on a background with the Yxy color 32.7157, 0.4510, 0.2900.

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

32.7157, 0.4510, 0.2900

Protanopia

32.8238, 0.2966, 0.3038

Deuteranopia

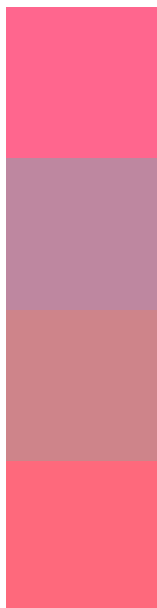
32.7091, 0.3575, 0.3492



Tritanopia

32.6129, 0.4829, 0.3227

Trichromacy



Original Color

32.7157, 0.4510, 0.2900

Protanomaly

30.8132, 0.3473, 0.2953

Deuteranomaly

31.4593, 0.3913, 0.3215

Tritanomaly

32.6292, 0.4723, 0.3109

Monochromacy



Original Color

32.7157, 0.4510, 0.2900

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.0071, 0.3600, 0.3099

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7157, 0.4510, 0.2900 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, 102, 142)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 142)  
}
```

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, 102, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 142) }
```

Border

The CSS property to change the border of an element to Yxy 32.7157, 0.4510, 0.2900 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, 102, 142) }
```

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

```
.border{ border-color:rgb(255, 102, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 102, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 142);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 32.7157, 0.4510, 0.2900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 142) }
```

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

```
.background{ background-color: rgb(255,  
102, 142) }
```

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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