

Converting Colors

$Y_{xy}(33.7380, 0.4491, 0.2950)$

Have a look what the booklet for
Yxy(33.7380, 0.4491, 0.2950)
contains.

Yxy(33.7284, 0.4487, 0.2946)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.7284, 0.4487, 0.2946)

Conversions

Conversions Part 1

Format	Color
Hex	FF6B8E
RGB	255, 107, 142
RGB Percent	100%, 42%, 56%
CMY	0.0001, 0.5802, 0.4432
CMYK	0.00, 0.58, 0.44, 0.00
HSL	346°, 100%, 71%
HSV	346°, 58%, 100%
XYZ	51.3711, 33.7284, 29.3893
YIQ	155.2420, 76.9730, 42.2610

Conversions

Conversions Part 2

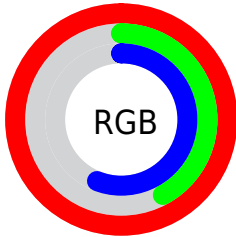
Format	Color
R _Y B	255, 107, 142
Decimal	16739214
CIE Lab	64.75, 59.24, 9.97
CIE LCh	65, 60.071, 9.549
Yxy	33.7284, 0.4487, 0.2946
Android (android.graphics.Color)	4294929294 (0xFFFF6B8E)
YUV	155.2420, -6.5283, 87.4878
Hunter-Lab	58.0762, 56.2585, 10.6498

Details

The Yxy color **33.7284, 0.4487, 0.2946** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **79.7968, 0.2549, 0.3715**, and the grayscale version is **32.9000, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.3945, 0.3694, 0.2958**, and **14.4387, 0.4928, 0.2815** is the 20% darker color. If you saturate the color by 10%, you get **28.6378, 0.4874, 0.2923**, and if you desaturate by 10%, it is **40.4918, 0.4141, 0.2992**.

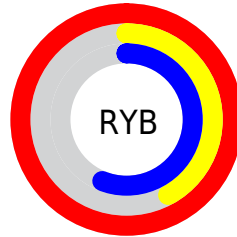
Distribution



Red (100%)

Green (42%)

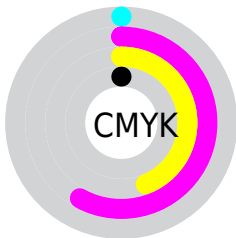
Blue (56%)



Red (100%)

Yellow (42%)

Blue (56%)

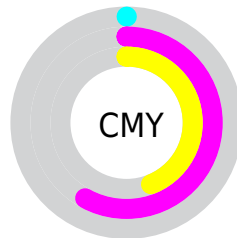


Cyan (0%)

Magenta (58%)

Yellow (44%)

Black (0%)



Cyan (0%)


Magenta (58%)

Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7284, 0.4487, 0.2946 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 33.7284, 0.4487, 0.2946 by changing the saturation by 10% instead.


 33.7284, 0.4487,
0.2946


 33.7284, 0.4487,
0.2946


318.9193, 0.3769,
0.3144


 22.6850, 0.4676,
0.2888


 65.5111, 0.4218,
0.3024


 14.3611, 0.4924,
0.2810


 87.0192, 0.4120,
0.3051

 8.3722, 0.5260,
0.2697

 112.7843, 0.4037,
0.3074

 4.3341, 0.5738,
0.2524

 143.1909, 0.3967,
0.3093

 1.8621, 0.6453,
0.2241

178.6233, 0.3907,
0.3108

 0.5255, 0.8262,
0.1738

219.4659, 0.3855,

 0.0000, 1.0000,

0.3122

0.0000

266.1031, 0.3809,
0.3134

■ 0.0000, 0.0000,
0.0000

■ 33.7284, 0.4487,
0.2946

■ 33.7284, 0.4487,
0.2946

■ 28.6378, 0.4874,
0.2923

■ 40.4918, 0.4141,
0.2992

■ 25.0670, 0.5276,
0.2933

■ 49.0524, 0.3844,
0.3052

■ 22.8440, 0.5654,
0.2984

■ 59.5290, 0.3599,
0.3116

■ 21.7351, 0.5964,
0.3071

■ 72.0288, 0.3398,
0.3181

■ 21.5829, 0.6017,
0.3088

■ 86.6509, 0.3235,
0.3243

99.9941, 0.3127,
0.3290

Harmonies

Analogous

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



33.7284, 0.3591, 0.2410



33.7284, 0.4487, 0.2946



33.7284, 0.4942, 0.3574

Triad

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



33.7284, 0.4487, 0.2946



33.7284, 0.3362, 0.5016



33.7284, 0.1642, 0.2082

Complementary

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



33.7284, 0.4487, 0.2946



79.7968, 0.2549, 0.3715

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.



33.7284, 0.1598, 0.2581



33.7284, 0.4487, 0.2946



33.7284, 0.2514, 0.4491

Square

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



33.7284, 0.4487, 0.2946



33.7284, 0.4193, 0.4813



33.7284, 0.1884, 0.3469



33.7284, 0.1994, 0.1927

Rectangle

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



33.7284, 0.4487, 0.2946



33.7284, 0.4905, 0.4013



33.7284, 0.1884, 0.3469



33.7284, 0.1593, 0.2206

Sweetspot

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



33.7302, 0.4487, 0.2946



73.4403, 0.3379, 0.3187



32.6447, 0.2853, 0.1784



15.1365, 0.3416, 0.3175



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.



33.7302, 0.4487, 0.2946



27.8221, 0.4953, 0.2922



42.2694, 0.4669, 0.3664



18.0574, 0.3257, 0.3234



11.2997, 0.5978, 0.3067



1.1163, 0.5666, 0.2895

Inverse Universe

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



33.7302, 0.4487, 0.2946



27.8221, 0.4953, 0.2922



60.4820, 0.2305, 0.2835



18.0574, 0.3257, 0.3234



11.2997, 0.5978, 0.3067



1.1163, 0.5666, 0.2895

Previews

White Background



This preview shows how the Yxy color 33.7284, 0.4487, 0.2946 looks on a white background.

Color Contrast Check

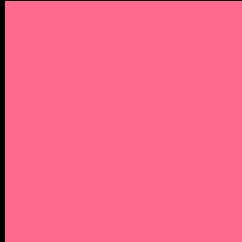
Large Text (above 18pt) WCAG AA × Fail

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 33.7284, 0.4487, 0.2946 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 33.7284, 0.4487, 0.2946

Background



This preview shows how black text looks on a background with the Yxy color 33.7284, 0.4487, 0.2946.



This preview shows how white text looks on a background with the Yxy color 33.7284, 0.4487, 0.2946.

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

33.7284, 0.4487, 0.2946

Protanopia

33.8096, 0.3021, 0.3099

Deuteranopia

34.0295, 0.3597, 0.3532



Tritanopia

33.5834, 0.4742, 0.3216

Trichromacy



Original Color

33.7284, 0.4487, 0.2946

Protanomaly

32.0176, 0.3510, 0.3010

Deuteranomaly

32.8532, 0.3918, 0.3267

Tritanomaly

33.7550, 0.4656, 0.3126

Monochromacy



Original Color

33.7284, 0.4487, 0.2946

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

31.4553, 0.3588, 0.3128

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7284, 0.4487, 0.2946 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, 107, 142)` looks like.

```
.text, #text, p{  
    color:rgb(255, 107, 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, 107, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 107, 142) }
```

Border

The CSS property to change the border of an element to Yxy 33.7284, 0.4487, 0.2946 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, 107, 142) }
```

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

```
.border{ border-color:rgb(255, 107, 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, 107, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 107, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 107, 142);  
box-shadow:4px 4px 4px 4px rgb(255, 107,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7284, 0.4487, 0.2946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 107, 142) }
```

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

```
.background{ background-color: rgb(255,  
107, 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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