

Converting Colors

$Y_{xy}(33.2823, 0.4278, 0.2723)$

Have a look what the booklet for
Yxy(33.2823, 0.4278, 0.2723)
contains.

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Color

Yxy(33.2659, 0.4283, 0.2727)

Conversions

Conversions Part 1

Format	Color
Hex	FF669F
RGB	255, 102, 159
RGB Percent	100%, 40%, 62%
CMY	0.0000, 0.5999, 0.3764
CMYK	0.00, 0.60, 0.38, 0.00
HSL	338°, 100%, 70%
HSV	338°, 60%, 100%
XYZ	52.2471, 33.2659, 36.4742
YIQ	154.2450, 72.8910, 50.1630

Conversions

Conversions Part 2

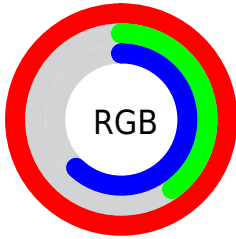
Format	Color
R_{YB}	255, 102, 159
Decimal	16737951
CIE _{Lab}	64.38, 63.14, -0.32
CIE _{LCh}	64, 63.140, 359.708
Yxy	33.2659, 0.4283, 0.2727
Android (android.graphics.Color)	4294928031 (0xFFFF669F)
YUV	154.2450, 2.3442, 88.3621
Hunter-Lab	57.6766, 60.7625, 2.8792

Details

The Yxy color **33.2659, 0.4283, 0.2727** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **78.4152, 0.2628, 0.4007**, and the grayscale version is **32.3967, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.9113, 0.3524, 0.2727**, and **14.1379, 0.4644, 0.2550** is the 20% darker color. If you saturate the color by 10%, you get **28.4821, 0.4596, 0.2682**, and if you desaturate by 10%, it is **39.6659, 0.4001, 0.2803**.

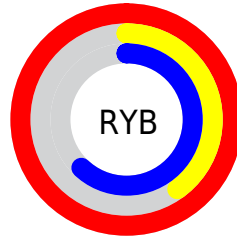
Distribution



Red (100%)

Green (40%)

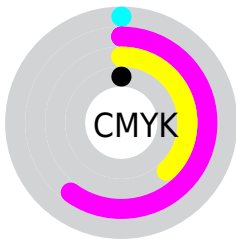
Blue (62%)



Red (100%)

Yellow (40%)

Blue (62%)

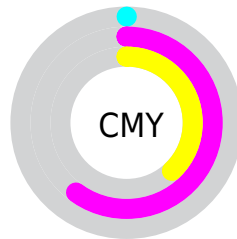


Cyan (0%)

Magenta (60%)

Yellow (38%)

Black (0%)



Cyan (0%)


Magenta (60%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.2659, 0.4283, 0.2727 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 33.2659, 0.4283, 0.2727 by changing the saturation by 10% instead.


 33.2659, 0.4283,
0.2727


 33.2659, 0.4283,
0.2727


316.8462, 0.3678,
0.3021


 22.3302, 0.4442,
0.2650


 64.7904, 0.4057,
0.2837


 14.0997, 0.4649,
0.2549


 86.1481, 0.3974,
0.2877

 8.1901, 0.4931,
0.2413


 111.7485, 0.3905,
0.2911

 4.2168, 0.5334,
0.2217

 141.9761, 0.3846,
0.2940

 1.7956, 0.5947,
0.1922

177.2153, 0.3795,
0.2964

 0.4844, 0.7166,
0.1327

217.8504, 0.3751,

 0.0000, 1.0000,

0.2986

0.0000

264.2659, 0.3712,
0.3005

0.0000, 0.0000,
0.0000

33.2659, 0.4283,
0.2727

33.2659, 0.4283,
0.2727

28.4821, 0.4596,
0.2682

39.6659, 0.4001,
0.2803

25.1599, 0.4925,
0.2679

47.8072, 0.3757,
0.2896

23.1237, 0.5246,
0.2728

57.8089, 0.3552,
0.2997

22.0849, 0.5537,
0.2824

69.7777, 0.3382,
0.3098

22.0842, 0.5538,
0.2824

83.8122, 0.3242,
0.3197

99.9978, 0.3127,
0.3290

Harmonies

Analogous

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



33.2659, 0.3275, 0.2223



33.2659, 0.4283, 0.2727



33.2659, 0.4953, 0.3353

Triad

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



33.2659, 0.4283, 0.2727



33.2659, 0.3658, 0.5113



33.2659, 0.1528, 0.2147

Complementary

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



33.2659, 0.4283, 0.2727



78.4152, 0.2628, 0.4007

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.



33.2659, 0.1587, 0.2799



33.2659, 0.4283, 0.2727



33.2659, 0.2752, 0.4840

Square

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



33.2659, 0.4283, 0.2727



33.2659, 0.4477, 0.4698



33.2659, 0.1998, 0.3845



33.2659, 0.1786, 0.1885

Rectangle

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



33.2659, 0.4283, 0.2727



33.2659, 0.5048, 0.3802



33.2659, 0.1998, 0.3845



33.2659, 0.1511, 0.2317

Sweetspot

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



33.2677, 0.4283, 0.2727



72.4121, 0.3351, 0.3118



28.5081, 0.2657, 0.1659



14.6833, 0.3396, 0.3089



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.



33.2677, 0.4283, 0.2727



27.7053, 0.4661, 0.2677



35.6177, 0.4899, 0.3466



18.0990, 0.3235, 0.3202



11.5671, 0.5495, 0.2801



1.1466, 0.5185, 0.2630

Inverse Universe

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



33.2677, 0.4283, 0.2727



27.7053, 0.4661, 0.2677



70.6955, 0.2342, 0.3074



18.0990, 0.3235, 0.3202



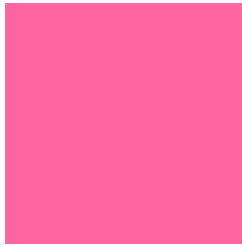
11.5671, 0.5495, 0.2801



1.1466, 0.5185, 0.2630

Previews

White Background



This preview shows how the Yxy color 33.2659, 0.4283, 0.2727 looks on a white background.

Color Contrast Check

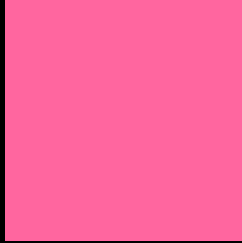
Large Text (above 18pt) WCAG AA × Fail

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 33.2659, 0.4283, 0.2727 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 33.2659, 0.4283, 0.2727

Background



This preview shows how black text looks on a background with the Yxy color 33.2659, 0.4283, 0.2727.



This preview shows how white text looks on a background with the Yxy color 33.2659, 0.4283, 0.2727.

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

33.2659, 0.4283, 0.2727

Protanopia

33.5444, 0.2751, 0.2759

Deuteranopia

33.2845, 0.3344, 0.3276



Tritanopia

33.1553, 0.4752, 0.3216

Trichromacy



Original Color

33.2659, 0.4283, 0.2727



Protanomaly

31.4684, 0.3228, 0.2706



Deuteranomaly

31.8381, 0.3677, 0.3007



Tritanomaly

33.0915, 0.4586, 0.3035

Monochromacy



Original Color

33.2659, 0.4283, 0.2727



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

30.8046, 0.3529, 0.3007

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2659, 0.4283, 0.2727 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, 159)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 159)  
}
```

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, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 159) }
```

Border

The CSS property to change the border of an element to Yxy 33.2659, 0.4283, 0.2727 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, 159) }
```

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

```
.border{ border-color:rgb(255, 102, 159) }
```

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, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 159);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2659, 0.4283, 0.2727 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, 159) }
```

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

```
.background{ background-color: rgb(255,  
102, 159) }
```

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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