

Converting Colors

$Y_{xy}(32.7933, 0.4033, 0.2731)$

Have a look what the booklet for
Yxy(32.7933, 0.4033, 0.2731)
contains.

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Color

Yxy(32.7939, 0.4032, 0.2730)

Conversions

Conversions Part 1

Format	Color
Hex	F070A4
RGB	240, 112, 164
RGB Percent	94%, 44%, 64%
CMY	0.0588, 0.5608, 0.3569
CMYK	0.00, 0.53, 0.32, 0.06
HSL	336°, 81%, 69%
HSV	336°, 53%, 94%
XYZ	48.4341, 32.7939, 38.8962
YIQ	156.2000, 59.5960, 43.3080

Conversions

Conversions Part 2

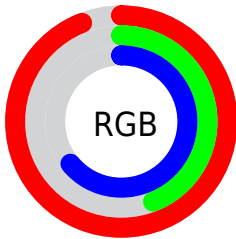
Format	Color
R_{YB}	240, 112, 164
Decimal	15757476
CIE Lab	63.99, 54.57, -3.99
CIE LCh	64, 54.714, 355.818
Yxy	32.7939, 0.4032, 0.2730
Android (android.graphics.Color)	4293947556 (0xFFFF070A4)
YUV	156.2000, 3.8454, 73.4926
Hunter-Lab	57.2660, 50.7553, -0.1848

Details

The Yxy color **32.7939, 0.4032, 0.2730** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **69.4064, 0.2684, 0.3970**, and the grayscale version is **33.3021, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.3797, 0.3465, 0.2770**, and **13.9199, 0.4330, 0.2571** is the 20% darker color. If you saturate the color by 10%, you get **27.7003, 0.4305, 0.2655**, and if you desaturate by 10%, it is **39.3598, 0.3793, 0.2827**.

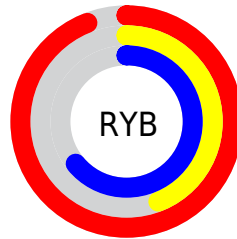
Distribution



Red (94%)

Green (44%)

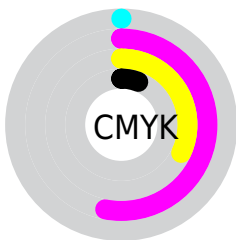
Blue (64%)



Red (94%)

Yellow (44%)

Blue (64%)

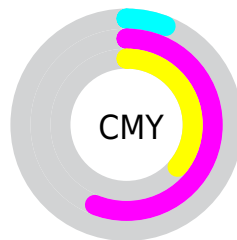


Cyan (0%)

Magenta (53%)

Yellow (32%)

Black (6%)



Cyan (6%)


Magenta (56%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.7939, 0.4032, 0.2730 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 32.7939, 0.4032, 0.2730 by changing the saturation by 10% instead.


 32.7939, 0.4032,
0.2730


 32.7939, 0.4032,
0.2730

314.7200, 0.3559,
0.3018

 21.9686, 0.4156,
0.2656


 64.0536, 0.3855,
0.2837

 13.8338, 0.4320,
0.2559

 85.2568, 0.3790,
0.2876

 8.0052, 0.4543,
0.2428


 110.6882, 0.3736,
0.2909

 4.0983, 0.4865,
0.2243

140.7320, 0.3690,
0.2938

 1.7287, 0.5366,
0.1963

175.7727, 0.3650,
0.2962

 0.4421, 0.6381,
0.1331


216.1946, 0.3616,

 0.0000, 1.0000,


0.2983


0.0000


262.3823, 0.3586,
0.3002


 0.0000, 0.0000,
0.0000

 32.7939, 0.4032,
0.2730

 32.7939, 0.4032,
0.2730


 27.7003, 0.4305,
0.2655


 39.3598, 0.3793,
0.2827


 23.9572, 0.4603,
0.2614


 47.4972, 0.3589,
0.2935


 21.4314, 0.4911,
0.2621

 57.3021, 0.3418,
0.3045

 19.9597, 0.5209,
0.2681

 68.8615, 0.3277,
0.3154

 19.4005, 0.5393,
0.2745

 82.2564, 0.3161,
0.3257

96.9198, 0.3066,
0.3344

97.2683, 0.3036,
0.3290

Harmonies

Analogous

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



32.7939, 0.3151, 0.2290



32.7939, 0.4032, 0.2730



32.7939, 0.4674, 0.3295

Triad

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



32.7939, 0.4032, 0.2730



32.7939, 0.3729, 0.4864



32.7939, 0.1682, 0.2342

Complementary

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



32.7939, 0.4032, 0.2730



69.4064, 0.2684, 0.3970

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.



32.7939, 0.1784, 0.2981



32.7939, 0.4032, 0.2730



32.7939, 0.2920, 0.4686

Square

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



32.7939, 0.4032, 0.2730



32.7939, 0.4423, 0.4496



32.7939, 0.2211, 0.3900



32.7939, 0.1882, 0.2050

Rectangle

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



32.7939, 0.4032, 0.2730



32.7939, 0.4821, 0.3703



32.7939, 0.2211, 0.3900



32.7939, 0.1682, 0.2515

Sweetspot

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



32.7956, 0.4032, 0.2730



75.2111, 0.3313, 0.3125



28.4032, 0.2687, 0.1820



15.5006, 0.3341, 0.3103



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.



32.7956, 0.4032, 0.2730



31.3514, 0.4330, 0.2650



33.7805, 0.4632, 0.3408



15.8653, 0.3229, 0.3194



10.6432, 0.5352, 0.2722



0.9046, 0.5006, 0.2532

Inverse Universe

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



32.7956, 0.4032, 0.2730



31.3514, 0.4330, 0.2650



65.9685, 0.2417, 0.3156



15.8653, 0.3229, 0.3194



10.6432, 0.5352, 0.2722



0.9046, 0.5006, 0.2532

Previews

White Background



This preview shows how the Yxy color 32.7939, 0.4032, 0.2730 looks on a white background.

Color Contrast Check

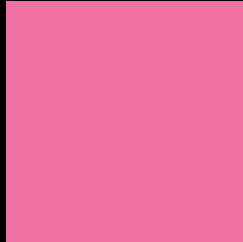
Large Text (above 18pt) WCAG AA × Fail

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 32.7939, 0.4032, 0.2730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

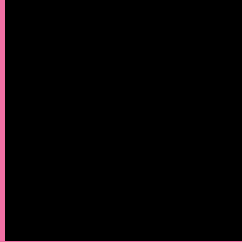
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.7939, 0.4032, 0.2730

Background



This preview shows how black text looks on a background with the Yxy color 32.7939, 0.4032, 0.2730.



This preview shows how white text looks on a background with the Yxy color 32.7939, 0.4032, 0.2730.

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

32.7939, 0.4032, 0.2730

Protanopia

33.0758, 0.2749, 0.2756

Deuteranopia

33.0369, 0.3244, 0.3189



Tritanopia

32.7567, 0.4430, 0.3195

Trichromacy



Original Color

32.7939, 0.4032, 0.2730



Protanomaly

31.6252, 0.3154, 0.2723



Deuteranomaly

32.0315, 0.3523, 0.2986



Tritanomaly

32.5910, 0.4290, 0.3019

Monochromacy



Original Color

32.7939, 0.4032, 0.2730



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

31.8242, 0.3441, 0.3031

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7939, 0.4032, 0.2730 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(240, 112, 164)` looks like.

```
.text, #text, p{  
    color:rgb(240, 112, 164)  
}
```

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(240, 112, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 112, 164) }
```

Border

The CSS property to change the border of an element to Yxy 32.7939, 0.4032, 0.2730 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(240, 112, 164) }
```

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

```
.border{ border-color:rgb(240, 112, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 112, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 112, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 112, 164);  
box-shadow:4px 4px 4px 4px rgb(240, 112,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 32.7939, 0.4032, 0.2730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 112, 164) }
```

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

```
.background{ background-color: rgb(240,  
112, 164) }
```

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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