

Converting Colors

$Y_{xy}(33.6756, 0.4699, 0.3224)$

Have a look what the booklet for
Yxy(33.6756, 0.4699, 0.3224)
contains.

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Color

Yxy(33.6756, 0.4699, 0.3224)

Conversions

Conversions Part 1

Format	Color
Hex	FB7178
RGB	251, 113, 120
RGB Percent	98%, 44%, 47%
CMY	0.0157, 0.5569, 0.5293
CMYK	0.00, 0.55, 0.52, 0.02
HSL	357°, 95%, 71%
HSV	357°, 55%, 98%
XYZ	49.0824, 33.6756, 21.6949
YIQ	155.0600, 80.0010, 31.4330

Conversions

Conversions Part 2

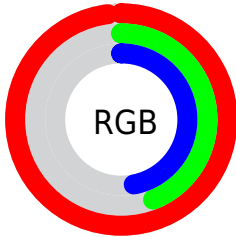
Format	Color
R _Y B	251, 113, 120
Decimal	16478584
CIE Lab	64.70, 53.28, 22.33
CIE LCh	65, 57.770, 22.740
Yxy	33.6756, 0.4699, 0.3224
Android (android.graphics.Color)	4294668664 (0xFFFB7178)
YUV	155.0600, -17.2846, 84.1394
Hunter-Lab	58.0307, 49.4217, 18.4558

Details

The Yxy color **33.6756, 0.4699, 0.3224** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **79.0379, 0.2458, 0.3371**, and the grayscale version is **32.8597, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.2438, 0.3900, 0.3250**, and **14.3128, 0.5187, 0.3137** is the 20% darker color. If you saturate the color by 10%, you get **28.3217, 0.5163, 0.3222**, and if you desaturate by 10%, it is **40.7252, 0.4279, 0.3233**.

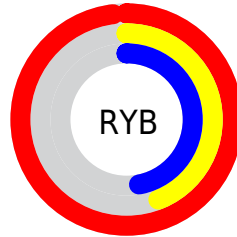
Distribution



Red (98%)

Green (44%)

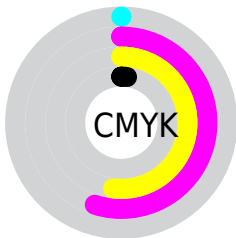
Blue (47%)



Red (98%)

Yellow (44%)

Blue (47%)

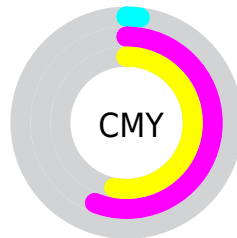


Cyan (0%)

Magenta (55%)

Yellow (52%)

Black (2%)



Cyan (2%)


Magenta (56%)

Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.6756, 0.4699, 0.3224 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 33.6756, 0.4699, 0.3224 by changing the saturation by 10% instead.


 33.6756, 0.4699,
0.3224


 33.6756, 0.4699,
0.3224


318.6831, 0.3867,
0.3299

 22.6445, 0.4917,
0.3190


 65.4289, 0.4388,
0.3262

 14.3312, 0.5200,
0.3137


 86.9199, 0.4274,
0.3273

 8.3514, 0.5579,
0.3050


 112.6662, 0.4178,
0.3281

 4.3206, 0.6102,
0.2898

143.0524, 0.4097,
0.3287

 1.8545, 0.7019,
0.2676

178.4628, 0.4027,
0.3291

 0.5208, 0.8087,
0.1913

219.2818, 0.3966,

 0.0000, 1.0000,

0.3294

0.0000

265.8938, 0.3914,
0.3297

■ 0.0000, 0.0000,
0.0000

■ 33.6756, 0.4699,
0.3224

■ 33.6756, 0.4699,
0.3224

■ 28.3217, 0.5163,
0.3222

■ 40.7252, 0.4279,
0.3233

■ 24.5161, 0.5628,
0.3229

■ 49.5911, 0.3923,
0.3244

■ 22.0954, 0.6025,
0.3246

■ 60.3891, 0.3630,
0.3258

■ 20.8570, 0.6288,
0.3271

■ 73.2238, 0.3395,
0.3271

■ 20.5388, 0.6364,
0.3279

■ 88.1924, 0.3206,
0.3284

99.2502, 0.3103,
0.3290

Harmonies

Analogous

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



33.6756, 0.3982, 0.2652



33.6756, 0.4699, 0.3224



33.6756, 0.4885, 0.3855

Triad

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



33.6756, 0.4699, 0.3224



33.6756, 0.2989, 0.4812



33.6756, 0.1800, 0.2018

Complementary

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



33.6756, 0.4699, 0.3224



79.0379, 0.2458, 0.3371

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.



33.6756, 0.1625, 0.2350



33.6756, 0.4699, 0.3224



33.6756, 0.2233, 0.4032

Square

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



33.6756, 0.4699, 0.3224



33.6756, 0.3828, 0.4915



33.6756, 0.1760, 0.3050



33.6756, 0.2280, 0.1990

Rectangle

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



33.6756, 0.4699, 0.3224



33.6756, 0.4698, 0.4278



33.6756, 0.1760, 0.3050



33.6756, 0.1708, 0.2091

Sweetspot

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



33.6774, 0.4699, 0.3224



74.4269, 0.3417, 0.3270



37.6183, 0.3104, 0.1951



15.3157, 0.3462, 0.3267



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.



33.6774, 0.4699, 0.3224



28.8593, 0.5214, 0.3222



51.5137, 0.4379, 0.3911



17.2396, 0.3286, 0.3278



10.8016, 0.6349, 0.3271



1.0053, 0.6223, 0.3202

Inverse Universe

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



33.6774, 0.4699, 0.3224



28.8593, 0.5214, 0.3222



47.8262, 0.2270, 0.2531



17.2396, 0.3286, 0.3278



10.8016, 0.6349, 0.3271



1.0053, 0.6223, 0.3202

Previews

White Background



This preview shows how the Yxy color 33.6756, 0.4699, 0.3224 looks on a white background.

Color Contrast Check

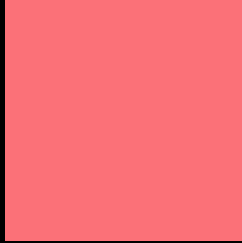
Large Text (above 18pt) WCAG AA × Fail

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 33.6756, 0.4699, 0.3224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

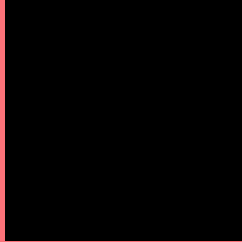
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.6756, 0.4699, 0.3224

Background



This preview shows how black text looks on a background with the Yxy color 33.6756, 0.4699, 0.3224.



This preview shows how white text looks on a background with the Yxy color 33.6756, 0.4699, 0.3224.

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

33.6756, 0.4699, 0.3224

Protanopia

33.9295, 0.3346, 0.3529

Deuteranopia

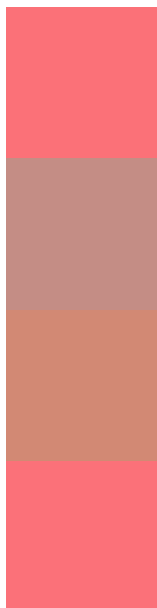
33.9129, 0.3881, 0.3804



Tritanopia

33.7000, 0.4687, 0.3214

Trichromacy



Original Color

33.6756, 0.4699, 0.3224

Protanomaly

32.4790, 0.3823, 0.3400

Deuteranomaly

32.8539, 0.4188, 0.3557

Tritanomaly

33.7000, 0.4687, 0.3214

Monochromacy



Original Color

33.6756, 0.4699, 0.3224

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

31.6563, 0.3660, 0.3264

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6756, 0.4699, 0.3224 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(251, 113, 120)` looks like.

```
.text, #text, p{  
    color:rgb(251, 113, 120)  
}
```

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(251, 113, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 113, 120) }
```

Border

The CSS property to change the border of an element to Yxy 33.6756, 0.4699, 0.3224 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(251, 113, 120) }
```

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

```
.border{ border-color:rgb(251, 113, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 113, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 113, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 113, 120);  
box-shadow:4px 4px 4px 4px rgb(251, 113,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6756, 0.4699, 0.3224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 113, 120) }
```

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

```
.background{ background-color: rgb(251,  
113, 120) }
```

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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