

Converting Colors

$Y_{xy}(33.6666, 0.4735, 0.3346)$

Have a look what the booklet for
Yxy(33.6666, 0.4735, 0.3346)
contains.

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Color

Yxy(33.6666, 0.4735, 0.3346)

Conversions

Conversions Part 1

Format	Color
Hex	F77570
RGB	247, 117, 112
RGB Percent	97%, 46%, 44%
CMY	0.0314, 0.5411, 0.5609
CMYK	0.00, 0.53, 0.55, 0.03
HSL	2°, 89%, 70%
HSV	2°, 55%, 97%
XYZ	47.6424, 33.6666, 19.3085
YIQ	155.3000, 79.0850, 26.0050

Conversions

Conversions Part 2

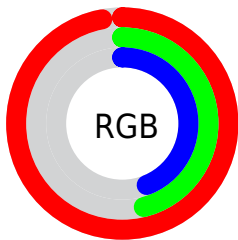
Format	Color
R _Y B	247, 117, 112
Decimal	16217456
CIE Lab	64.70, 49.35, 26.77
CIE LCh	65, 56.142, 28.478
Yxy	33.6666, 0.4735, 0.3346
Android (android.graphics.Color)	4294407536 (0xFFFF77570)
YUV	155.3000, -21.3469, 80.4209
Hunter-Lab	58.0229, 45.0254, 20.8859

Details

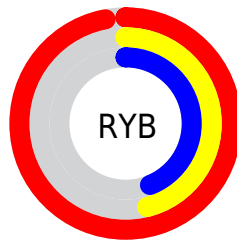
The Yxy color **33.6666, 0.4735, 0.3346** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **73.6398, 0.2420, 0.3228**, and the grayscale version is **32.9892, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.4454, 0.3961, 0.3377**, and **14.3643, 0.5249, 0.3285** is the 20% darker color. If you saturate the color by 10%, you get **28.3362, 0.5205, 0.3350**, and if you desaturate by 10%, it is **40.5585, 0.4308, 0.3338**.

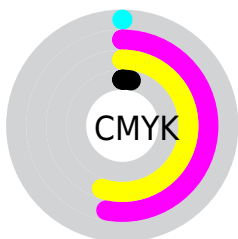
Distribution



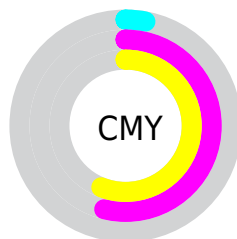
- Red (97%)
- Green (46%)
- Blue (44%)



- Red (97%)
- Yellow (46%)
- Blue (44%)



- Cyan (0%)
- Magenta (53%)
- Yellow (55%)
- Black (3%)



- Cyan (3%)
- Magenta (54%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.6666, 0.4735, 0.3346 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 33.6666, 0.4735, 0.3346 by changing the saturation by 10% instead.


 33.6666, 0.4735,
0.3346


 33.6666, 0.4735,
0.3346


318.6429, 0.3885,
0.3364

 22.6376, 0.4956,
0.3324


 65.4149, 0.4418,
0.3365


 14.3261, 0.5242,
0.3284


 86.9029, 0.4301,
0.3368

 8.3478, 0.5622,
0.3211


 112.6461, 0.4203,
0.3370

 4.3183, 0.6139,
0.3070

 143.0288, 0.4120,
0.3369

 1.8532, 0.7110,
0.2890

178.4355, 0.4049,
0.3369

 0.5200, 0.7955,
0.2045

219.2504, 0.3987,

 0.0000, 1.0000,

0.3367

0.0000

265.8581, 0.3933,
0.3366

■ 0.0000, 0.0000,
0.0000

■ 33.6666, 0.4735,
0.3346

■ 33.6666, 0.4735,
0.3346

■ 28.3362, 0.5205,
0.3350

■ 40.5585, 0.4308,
0.3338

■ 24.4405, 0.5670,
0.3347

■ 49.1150, 0.3943,
0.3327

■ 21.8419, 0.6060,
0.3337


■ 59.4368, 0.3642,
0.3316

■ 20.3734, 0.6309,
0.3320

■ 71.6151, 0.3399,
0.3305

■ 19.9740, 0.6382,
0.3315

■ 85.7347, 0.3204,
0.3295

 98.5140, 0.3078,
0.3290

Harmonies

Analogous

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



33.6666, 0.4121, 0.2768



33.6666, 0.4735, 0.3346



33.6666, 0.4811, 0.3969

Triad

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



33.6666, 0.4735, 0.3346



33.6666, 0.2843, 0.4663



33.6666, 0.1896, 0.2021

Complementary

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



33.6666, 0.4735, 0.3346



73.6398, 0.2420, 0.3228

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.



33.6666, 0.1668, 0.2287



33.6666, 0.4735, 0.3346



33.6666, 0.2144, 0.3824

Square

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



33.6666, 0.4735, 0.3346



33.6666, 0.3664, 0.4902



33.6666, 0.1743, 0.2901



33.6666, 0.2426, 0.2043

Rectangle

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



33.6666, 0.4735, 0.3346



33.6666, 0.4573, 0.4374



33.6666, 0.1743, 0.2901



33.6666, 0.1787, 0.2075

Sweetspot

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



33.6684, 0.4735, 0.3346



75.0947, 0.3429, 0.3306



37.7973, 0.3229, 0.2026



15.4720, 0.3477, 0.3309



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.



33.6684, 0.4735, 0.3346



29.7682, 0.5274, 0.3350



55.2189, 0.4279, 0.4044



16.5815, 0.3293, 0.3299



10.6087, 0.6374, 0.3321



0.9666, 0.6307, 0.3374

Inverse Universe

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



73.6398, 0.2420, 0.3228



76.8109, 0.2332, 0.3213



40.8126, 0.2237, 0.2353



18.6455, 0.2981, 0.3281



35.8741, 0.2215, 0.3173



3.1855, 0.2219, 0.3188

Previews

White Background



This preview shows how the Yxy color 33.6666, 0.4735, 0.3346 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 33.6666, 0.4735, 0.3346 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 33.6666, 0.4735, 0.3346

Background



This preview shows how black text looks on a background with the Yxy color 33.6666, 0.4735, 0.3346.



This preview shows how white text looks on a background with the Yxy color 33.6666, 0.4735, 0.3346.

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

33.6666, 0.4735, 0.3346

Protanopia

33.8326, 0.3472, 0.3693

Deuteranopia

33.8652, 0.3972, 0.3909



Tritanopia

33.6480, 0.4622, 0.3212

Trichromacy



Original Color

33.6666, 0.4735, 0.3346

Protanomaly

32.3782, 0.3919, 0.3549

Deuteranomaly

33.1033, 0.4253, 0.3682

Tritanomaly

33.7792, 0.4666, 0.3264

Monochromacy



Original Color

33.6666, 0.4735, 0.3346

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

31.6052, 0.3668, 0.3319

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6666, 0.4735, 0.3346 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(247, 117, 112)` looks like.

```
.text, #text, p{  
    color:rgb(247, 117, 112)  
}
```

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(247, 117, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 117, 112) }
```

Border

The CSS property to change the border of an element to Yxy 33.6666, 0.4735, 0.3346 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(247, 117, 112) }
```

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

```
.border{ border-color:rgb(247, 117, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 117, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 117, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 117, 112);  
box-shadow:4px 4px 4px 4px rgb(247, 117,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6666, 0.4735, 0.3346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 117, 112) }
```

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

```
.background{ background-color: rgb(247,  
117, 112) }
```

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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