

Converting Colors

Yxy(33.4918, 0.3656, 0.2176)

Have a look what the booklet for
Yxy(33.4918, 0.3656, 0.2176)
contains.

Yxy(33.5527, 0.3653, 0.2172)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(33.5527, 0.3653, 0.2172)

Conversions

Conversions Part 1

Format	Color
Hex	FE5DD2
RGB	254, 93, 210
RGB Percent	100%, 36%, 82%
CMY	0.0038, 0.6354, 0.1763
CMYK	0.00, 0.63, 0.17, 0.00
HSL	316°, 99%, 68%
HSV	316°, 63%, 100%
XYZ	56.4309, 33.5527, 64.4947
YIQ	154.4770, 58.3990, 70.5190

Conversions

Conversions Part 2

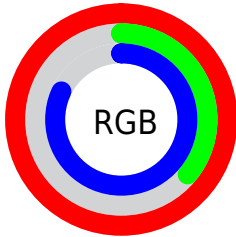
Format	Color
RYB	254, 93, 210
Decimal	16670162
CIELab	64.61, 72.80, -28.99
CIElCh	65, 78.359, 338.287
Yxy	33.5527, 0.3653, 0.2172
Android (android.graphics.Color)	4294860242 (0xFFFE5DD2)
YUV	154.4770, 27.3728, 87.2817
Hunter-Lab	57.9247, 72.5287, -25.4676

Details

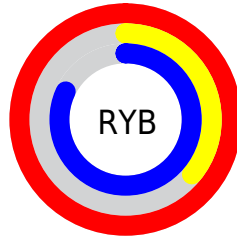
The Yxy color **33.5527, 0.3653, 0.2172** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted magenta. A complement of this color would be **75.0327, 0.2864, 0.4831**, and the grayscale version is **32.3902, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.9365, 0.3174, 0.2293**, and **14.3016, 0.3788, 0.1908** is the 20% darker color. If you saturate the color by 10%, you get **29.4745, 0.3767, 0.2067**, and if you desaturate by 10%, it is **39.1293, 0.3544, 0.2314**.

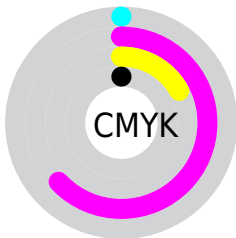
Distribution



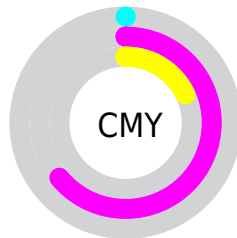
- Red (100%)
- Green (36%)
- Blue (82%)



- Red (100%)
- Yellow (36%)
- Blue (82%)



- Cyan (0%)
- Magenta (63%)
- Yellow (17%)
- Black (0%)





- Cyan (0%)
- Magenta (64%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.5527, 0.3653, 0.2172 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 33.5527, 0.3653, 0.2172 by changing the saturation by 10% instead.


 33.5527, 0.3653,
0.2172


 33.5527, 0.3653,
0.2172


318.1329, 0.3405,
0.2699

 22.5502, 0.3710,
0.2051


 65.2375, 0.3567,
0.2356


 14.2617, 0.3780,
0.1902


 86.6885, 0.3533,
0.2427

 8.3029, 0.3868,
0.1715


 112.3912, 0.3504,
0.2488

 4.2894, 0.3981,
0.1476

 142.7299, 0.3479,
0.2541

 1.8367, 0.4129,
0.1163

178.0890, 0.3457,
0.2588

 0.5099, 0.4353,
0.0691

218.8530, 0.3438,

 0.0000, 0.4681,

0.2629

0.0000

265.4062, 0.3421,
0.2666

■ 0.0000, 0.4791,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.5527, 0.3653,
0.2172

■ 33.5527, 0.3653,
0.2172

■ 29.4745, 0.3767,
0.2067

■ 39.1293, 0.3544,
0.2314

■ 26.7363, 0.3882,
0.2007


■ 46.3318, 0.3444,
0.2483


■ 25.1532, 0.3994,
0.1998

■ 55.2797, 0.3353,
0.2667

■ 24.5636, 0.4066,
0.2014

■ 66.0798, 0.3273,
0.2857

 78.8304, 0.3204,
0.3046

 93.6228, 0.3145,
0.3230

99.8163, 0.3121,
0.3290

Harmonies

Analogous

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



33.5527, 0.2479, 0.1762



33.5527, 0.3653, 0.2172



33.5527, 0.4854, 0.2790

Triad

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



33.5527, 0.3653, 0.2172



33.5527, 0.4403, 0.5116



33.5527, 0.1260, 0.2378

Complementary

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



33.5527, 0.3653, 0.2172



75.0327, 0.2864, 0.4831

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.



33.5527, 0.1579, 0.3544



33.5527, 0.3653, 0.2172



33.5527, 0.3373, 0.5575

Square

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



33.5527, 0.3653, 0.2172



33.5527, 0.5196, 0.4299



33.5527, 0.2337, 0.4977



33.5527, 0.1310, 0.1791

Rectangle

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



33.5527, 0.3653, 0.2172



33.5527, 0.5340, 0.3262



33.5527, 0.2337, 0.4977



33.5527, 0.1320, 0.2699

Sweetspot

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



33.5544, 0.3653, 0.2172



72.0646, 0.3242, 0.2941



20.2084, 0.2156, 0.1364



14.6624, 0.3262, 0.2886



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.



33.5544, 0.3653, 0.2172



28.8859, 0.3797, 0.2047



30.5262, 0.4697, 0.2935



18.2107, 0.3180, 0.3119



12.9730, 0.4049, 0.2004



1.2815, 0.3931, 0.1939

Inverse Universe

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



33.5544, 0.3653, 0.2172



28.8859, 0.3797, 0.2047



78.2086, 0.2517, 0.3756



18.2107, 0.3180, 0.3119



12.9730, 0.4049, 0.2004



1.2815, 0.3931, 0.1939

Previews

White Background



This preview shows how the Yxy color 33.5527, 0.3653, 0.2172 looks on a white background.

Color Contrast Check

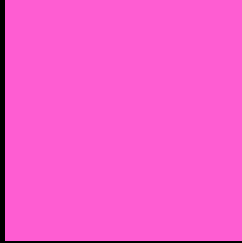
Large Text (above 18pt) WCAG AA × Fail

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 33.5527, 0.3653, 0.2172 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 33.5527, 0.3653, 0.2172

Background



This preview shows how black text looks on a background with the Yxy color 33.5527, 0.3653, 0.2172.



This preview shows how white text looks on a background with the Yxy color 33.5527, 0.3653, 0.2172.

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

33.5527, 0.3653, 0.2172

Protanopia

34.1131, 0.2169, 0.2003

Deuteranopia

33.7178, 0.2691, 0.2631



Tritanopia

33.5388, 0.4585, 0.3211

Trichromacy



Original Color

33.5527, 0.3653, 0.2172



Protanomaly

30.9500, 0.2545, 0.1981



Deuteranomaly

31.4270, 0.2999, 0.2378



Tritanomaly

33.2314, 0.4254, 0.2808

Monochromacy



Original Color

33.5527, 0.3653, 0.2172



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

30.5057, 0.3327, 0.2733

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5527, 0.3653, 0.2172 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(254, 93, 210)` looks like.

```
.text, #text, p{  
    color:rgb(254, 93, 210)  
}
```

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(254, 93, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 93, 210) }
```

Border

The CSS property to change the border of an element to Yxy 33.5527, 0.3653, 0.2172 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(254, 93, 210) }
```

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

```
.border{ border-color:rgb(254, 93, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 93, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 93, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 93, 210);  
box-shadow:4px 4px 4px 4px rgb(254, 93,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 33.5527, 0.3653, 0.2172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 93, 210) }
```

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

```
.background{ background-color: rgb(254, 93,  
210) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor