

Converting Colors

$Y_{xy}(33.7537, 0.4109, 0.2594)$

Have a look what the booklet for
Yxy(33.7537, 0.4109, 0.2594)
contains.

Yxy(33.7413, 0.4114, 0.2597)	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(33.7413, 0.4114, 0.2597)

Conversions

Conversions Part 1

Format	Color
Hex	FF66AC
RGB	255, 102, 172
RGB Percent	100%, 40%, 67%
CMY	0.0000, 0.6001, 0.3254
CMYK	0.00, 0.60, 0.33, 0.00
HSL	333°, 100%, 70%
HSV	333°, 60%, 100%
XYZ	53.4508, 33.7413, 42.7321
YIQ	155.7270, 68.7180, 54.2060

Conversions

Conversions Part 2

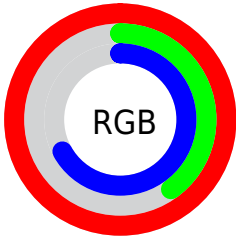
Format	Color
R _Y B	255, 102, 172
Decimal	16737964
CIE Lab	64.76, 64.62, -7.19
CIE LCh	65, 65.017, 353.648
Yxy	33.7413, 0.4114, 0.2597
Android (android.graphics.Color)	4294928044 (0xFFFF66AC)
YUV	155.7270, 8.0226, 87.0624
Hunter-Lab	58.0873, 62.5996, -2.9558

Details

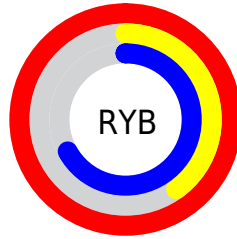
The Yxy color **33.7413, 0.4114, 0.2597** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **77.8433, 0.2686, 0.4183**, and the grayscale version is **33.0484, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.6023, 0.3406, 0.2604**, and **14.3430, 0.4408, 0.2395** is the 20% darker color. If you saturate the color by 10%, you get **28.9680, 0.4375, 0.2532**, and if you desaturate by 10%, it is **40.0972, 0.3878, 0.2693**.

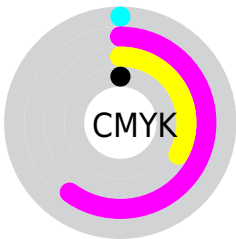
Distribution



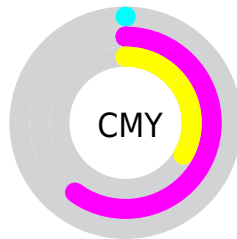
- Red (100%)
- Green (40%)
- Blue (67%)



- Red (100%)
- Yellow (40%)
- Blue (67%)



- Cyan (0%)
- Magenta (60%)
- Yellow (33%)
- Black (0%)




- Cyan (0%)
- Magenta (60%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.7413, 0.4114, 0.2597 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 33.7413, 0.4114, 0.2597 by changing the saturation by 10% instead.


 33.7413, 0.4114,
0.2597


 33.7413, 0.4114,
0.2597


318.9770, 0.3605,
0.2946

 22.6949, 0.4245,
0.2510


 65.5312, 0.3926,
0.2724

 14.3684, 0.4416,
0.2398


 87.0435, 0.3856,
0.2772

 8.3773, 0.4647,
0.2249


 112.8132, 0.3797,
0.2812

 4.3373, 0.4973,
0.2045

 143.2247, 0.3747,
0.2847

 1.8640, 0.5466,
0.1747

178.6625, 0.3704,
0.2877

 0.5266, 0.6338,
0.1200

219.5108, 0.3667,

 0.0000, 1.0000,

0.2903

0.0000

266.1542, 0.3634,
0.2926

■ 0.0000, 0.0000,
0.0000

■ 33.7413, 0.4114,
0.2597

■ 33.7413, 0.4114,
0.2597

■ 28.9680, 0.4375,
0.2532

■ 40.0972, 0.3878,
0.2693

■ 25.6491, 0.4650,
0.2512

■ 48.1853, 0.3672,
0.2808

■ 23.6013, 0.4925,
0.2545

■ 58.1150, 0.3496,
0.2931

■ 22.5378, 0.5183,
0.2629

■ 69.9925, 0.3349,
0.3055

■ 83.9155, 0.3228,
0.3176

99.9755, 0.3127,
0.3290

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



33.7413, 0.3070, 0.2122



33.7413, 0.4114, 0.2597



33.7413, 0.4907, 0.3214

Triad

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



33.7413, 0.4114, 0.2597



33.7413, 0.3846, 0.5111



33.7413, 0.1484, 0.2219

Complementary

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



33.7413, 0.4114, 0.2597



77.8433, 0.2686, 0.4183

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.



33.7413, 0.1609, 0.2973



33.7413, 0.4114, 0.2597



33.7413, 0.2922, 0.5013

Square

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



33.7413, 0.4114, 0.2597



33.7413, 0.4640, 0.4591



33.7413, 0.2102, 0.4095



33.7413, 0.1681, 0.1883

Rectangle

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



33.7413, 0.4114, 0.2597



33.7413, 0.5094, 0.3664



33.7413, 0.2102, 0.4095



33.7413, 0.1488, 0.2420

Sweetspot

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



33.7347, 0.4114, 0.2597



72.6294, 0.3323, 0.3080



26.8545, 0.2545, 0.1609



14.7360, 0.3361, 0.3044



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.



33.7347, 0.4114, 0.2597



28.1989, 0.4429, 0.2524



32.7475, 0.4992, 0.3343



18.1254, 0.3222, 0.3182



11.8058, 0.5144, 0.2607



1.1712, 0.4867, 0.2455

Inverse Universe

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



33.7347, 0.4114, 0.2597



28.1989, 0.4429, 0.2524



78.3510, 0.2376, 0.3228



18.1254, 0.3222, 0.3182



11.8058, 0.5144, 0.2607



1.1712, 0.4867, 0.2455

Previews

White Background



This preview shows how the Yxy color 33.7413, 0.4114, 0.2597 looks on a white background.

Color Contrast Check

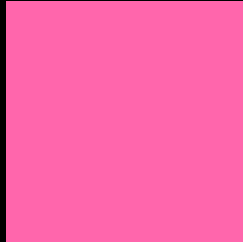
Large Text (above 18pt) WCAG AA × Fail

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 33.7413, 0.4114, 0.2597 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 33.7413, 0.4114, 0.2597

Background



This preview shows how black text looks on a background with the Yxy color 33.7413, 0.4114, 0.2597.



This preview shows how white text looks on a background with the Yxy color 33.7413, 0.4114, 0.2597.

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

33.7413, 0.4114, 0.2597

Protanopia

34.1216, 0.2604, 0.2577

Deuteranopia

33.8978, 0.3184, 0.3133



Tritanopia

33.7000, 0.4687, 0.3214

Trichromacy



Original Color

33.7413, 0.4114, 0.2597



Protanomaly

31.6937, 0.3061, 0.2533



Deuteranomaly

32.1196, 0.3507, 0.2865



Tritanomaly

33.5262, 0.4475, 0.2980

Monochromacy



Original Color

33.7413, 0.4114, 0.2597



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

31.4234, 0.3471, 0.2943

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7413, 0.4114, 0.2597 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, 172)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 172)  
}
```

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, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 172) }
```

Border

The CSS property to change the border of an element to Yxy 33.7413, 0.4114, 0.2597 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, 172) }
```

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

```
.border{ border-color:rgb(255, 102, 172) }
```

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, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 172);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7413, 0.4114, 0.2597 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, 172) }
```

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

```
.background{ background-color: rgb(255,  
102, 172) }
```

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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