

Converting Colors

Yxy(33.1697, 0.4060, 0.2515)

Have a look what the booklet for
Yxy(33.1697, 0.4060, 0.2515)
contains.

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Color

Yxy(33.1697, 0.4060, 0.2515)

Conversions

Conversions Part 1

Format	Color
Hex	FF62B1
RGB	255, 98, 177
RGB Percent	100%, 38%, 69%
CMY	0.0000, 0.6157, 0.3059
CMYK	0.00, 0.62, 0.31, 0.00
HSL	330°, 100%, 69%
HSV	330°, 62%, 100%
XYZ	53.5463, 33.1697, 45.1715
YIQ	153.9490, 68.2130, 57.8530

Conversions

Conversions Part 2

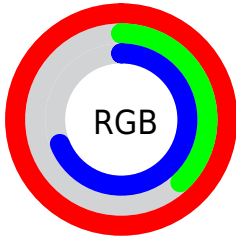
Format	Color
R _{YB}	255, 98, 177
Decimal	16736945
CIE _{Lab}	64.30, 66.84, -10.72
CIE _{LCh}	64, 67.694, 350.889
Y _{xy}	33.1697, 0.4060, 0.2515
Android (android.graphics.Color)	4294927025 (0xFFFF62B1)
YUV	153.9490, 11.3641, 88.6217
Hunter-Lab	57.5931, 65.1696, -6.1871

Details

The Yxy color **33.1697, 0.4060, 0.2515** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **77.2513, 0.2712, 0.4308**, and the grayscale version is **32.2166, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.9201, 0.3357, 0.2520**, and **14.0123, 0.4345, 0.2304** is the 20% darker color. If you saturate the color by 10%, you get **28.6514, 0.4296, 0.2446**, and if you desaturate by 10%, it is **39.2528, 0.3844, 0.2618**.

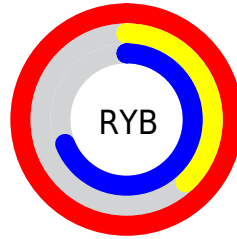
Distribution



Red (100%)

Green (38%)

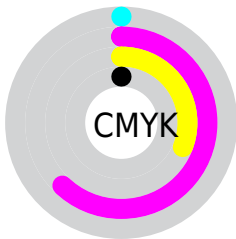
Blue (69%)



Red (100%)

Yellow (38%)

Blue (69%)

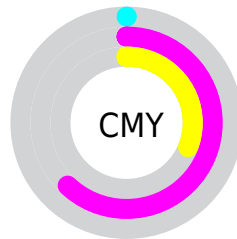


Cyan (0%)

Magenta (62%)

Yellow (31%)

Black (0%)



Cyan (0%)


Magenta (62%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.1697, 0.4060, 0.2515 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 33.1697, 0.4060, 0.2515 by changing the saturation by 10% instead.


 33.1697, 0.4060,
0.2515

 33.1697, 0.4060,
0.2515


316.4137, 0.3581,
0.2901

 22.2565, 0.4183,
0.2420


 64.6404, 0.3884,
0.2655

 14.0455, 0.4341,
0.2299


 85.9666, 0.3818,
0.2707

 8.1523, 0.4555,
0.2140


 111.5327, 0.3763,
0.2752

 4.1926, 0.4855,
0.1924

 141.7229, 0.3716,
0.2790

 1.7819, 0.5305,
0.1615

176.9218, 0.3675,
0.2823

 0.4758, 0.6114,
0.1041

217.5136, 0.3640,

 0.0000, 0.9440,

0.2853

0.0000

263.8828, 0.3609,
0.2878

■ 0.0000, 0.0000,
0.0000

■ 33.1697, 0.4060,
0.2515

■ 33.1697, 0.4060,
0.2515

■ 28.6514, 0.4296,
0.2446

■ 39.2528, 0.3844,
0.2618

■ 25.5485, 0.4544,
0.2424

■ 47.0343, 0.3654,
0.2741

■ 23.6784, 0.4790,
0.2456

■ 56.6313, 0.3490,
0.2875

■ 22.8265, 0.4988,
0.2521

■ 68.1508, 0.3352,
0.3011

■ 81.6916, 0.3236,
0.3144

97.3456, 0.3141,
0.3271

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.



33.1697, 0.2969, 0.2044



33.1697, 0.4060, 0.2515



33.1697, 0.4937, 0.3139

Triad

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



33.1697, 0.4060, 0.2515



33.1697, 0.3945, 0.5156



33.1697, 0.1423, 0.2223

Complementary

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



33.1697, 0.4060, 0.2515



77.2513, 0.2712, 0.4308

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.



33.1697, 0.1581, 0.3047



33.1697, 0.4060, 0.2515



33.1697, 0.2990, 0.5154

Square

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



33.1697, 0.4060, 0.2515



33.1697, 0.4751, 0.4562



33.1697, 0.2121, 0.4248



33.1697, 0.1597, 0.1847

Rectangle

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



33.1697, 0.4060, 0.2515



33.1697, 0.5171, 0.3597



33.1697, 0.2121, 0.4248



33.1697, 0.1437, 0.2443

Sweetspot

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



33.1690, 0.4060, 0.2515



72.7473, 0.3308, 0.3059



24.9401, 0.2458, 0.1538



14.7647, 0.3343, 0.3020



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.



33.1690, 0.4060, 0.2515



27.7734, 0.4356, 0.2436



30.9270, 0.5072, 0.3272



18.1396, 0.3215, 0.3171



11.9575, 0.4951, 0.2501



1.1863, 0.4698, 0.2362

Inverse Universe

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



33.1690, 0.4060, 0.2515



27.7734, 0.4356, 0.2436



81.1692, 0.2389, 0.3318



18.1396, 0.3215, 0.3171



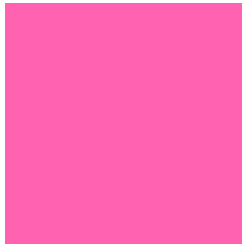
11.9575, 0.4951, 0.2501



1.1863, 0.4698, 0.2362

Previews

White Background



This preview shows how the Yxy color 33.1697, 0.4060, 0.2515 looks on a white background.

Color Contrast Check

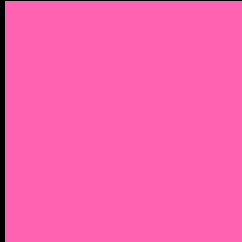
Large Text (above 18pt) WCAG AA × Fail

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 33.1697, 0.4060, 0.2515 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 33.1697, 0.4060, 0.2515

Background



This preview shows how black text looks on a background with the Yxy color 33.1697, 0.4060, 0.2515.



This preview shows how white text looks on a background with the Yxy color 33.1697, 0.4060, 0.2515.

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

33.1697, 0.4060, 0.2515

Protanopia

33.4208, 0.2510, 0.2446

Deuteranopia

33.4280, 0.3109, 0.3046



Tritanopia

33.0248, 0.4715, 0.3214

Trichromacy



Original Color

33.1697, 0.4060, 0.2515



Protanomaly

31.0910, 0.2968, 0.2420



Deuteranomaly

31.4869, 0.3434, 0.2774



Tritanomaly

32.8970, 0.4489, 0.2952

Monochromacy



Original Color

33.1697, 0.4060, 0.2515



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

30.7352, 0.3464, 0.2914

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1697, 0.4060, 0.2515 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, 98, 177)` looks like.

```
.text, #text, p{  
    color:rgb(255, 98, 177)  
}
```

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, 98, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 98, 177) }
```

Border

The CSS property to change the border of an element to Yxy 33.1697, 0.4060, 0.2515 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, 98, 177) }
```

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

```
.border{ border-color:rgb(255, 98, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 98, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 98, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 98, 177);  
box-shadow:4px 4px 4px 4px rgb(255, 98,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1697, 0.4060, 0.2515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 98, 177) }
```

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

```
.background{ background-color: rgb(255, 98,  
177) }
```

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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