

Converting Colors

$Y_{xy}(45.2290, 0.4669, 0.2794)$

Have a look what the booklet for
Yxy(45.2290, 0.4669, 0.2794)
contains.

Yxy(33.5528, 0.4178, 0.2647)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.5528, 0.4178, 0.2647)

Conversions

Conversions Part 1

Format	Color
Hex	FF66A7
RGB	255, 102, 167
RGB Percent	100%, 40%, 65%
CMY	0.0001, 0.5999, 0.3451
CMYK	0.00, 0.60, 0.35, 0.00
HSL	335°, 100%, 70%
HSV	335°, 60%, 100%
XYZ	52.9594, 33.5528, 40.2456
YIQ	155.1570, 70.3230, 52.6510

Conversions

Conversions Part 2

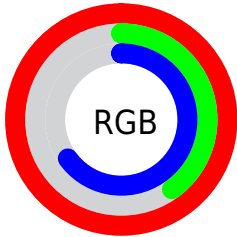
Format	Color
R_{YB}	255, 102, 167
Decimal	16737959
CIE _{Lab}	64.61, 64.00, -4.56
CIE _{LCh}	65, 64.161, 355.928
Yxy	33.5528, 0.4178, 0.2647
Android (android.graphics.Color)	4294928039 (0xFFFF66A7)
YUV	155.1570, 5.8386, 87.5623
Hunter-Lab	57.9248, 61.8305, -0.6468

Details

The Yxy color **33.5528, 0.4178, 0.2647** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **78.0478, 0.2664, 0.4114**, and the grayscale version is **32.8069, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.3302, 0.3451, 0.2651**, and **14.2247, 0.4507, 0.2456** is the 20% darker color. If you saturate the color by 10%, you get **28.7762, 0.4459, 0.2590**, and if you desaturate by 10%, it is **39.9351, 0.3925, 0.2735**.

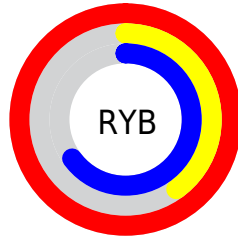
Distribution



Red (100%)

Green (40%)

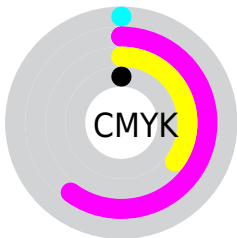
Blue (65%)



Red (100%)

Yellow (40%)

Blue (65%)

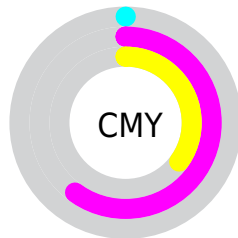


Cyan (0%)

Magenta (60%)

Yellow (35%)

Black (0%)



Cyan (0%)


Magenta (60%)

Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.5528, 0.4178, 0.2647 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 33.5528, 0.4178, 0.2647 by changing the saturation by 10% instead.


 33.5528, 0.4178,
0.2647


 33.5528, 0.4178,
0.2647


318.1334, 0.3632,
0.2975


 22.5503, 0.4320,
0.2564


 65.2376, 0.3975,
0.2768


 14.2618, 0.4505,
0.2456


 86.6887, 0.3901,
0.2812

 8.3030, 0.4755,
0.2312


 112.3914, 0.3838,
0.2850

 4.2894, 0.5111,
0.2111

 142.7302, 0.3784,
0.2883

 1.8367, 0.5651,
0.1815

178.0894, 0.3738,
0.2910

 0.5099, 0.6623,
0.1245

218.8533, 0.3698,

 0.0000, 1.0000,


0.2935

0.0000


265.4066, 0.3663,
0.2956


 0.0000, 0.0000,
0.0000


 33.5528, 0.4178,
0.2647


 33.5528, 0.4178,
0.2647

 28.7762, 0.4459,
0.2590


 39.9351, 0.3925,
0.2735

 25.4516, 0.4756,
0.2576


 48.0476, 0.3704,
0.2842

 23.4039, 0.5049,
0.2617

 58.0087, 0.3517,
0.2956

 22.3459, 0.5323,
0.2706

 69.9246, 0.3361,
0.3072

 22.3444, 0.5323,
0.2706

 83.8933, 0.3233,
0.3184

99.9949, 0.3127,
0.3290

99.9950, 0.3127,
0.3290

Harmonies

Analogous

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



33.5528, 0.3148, 0.2161



33.5528, 0.4178, 0.2647



33.5528, 0.4924, 0.3267

Triad

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



33.5528, 0.4178, 0.2647



33.5528, 0.3775, 0.5112



33.5528, 0.1502, 0.2192

Complementary

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



33.5528, 0.4178, 0.2647



78.0478, 0.2664, 0.4114

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.



33.5528, 0.1602, 0.2906



33.5528, 0.4178, 0.2647



33.5528, 0.2858, 0.4947

Square

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



33.5528, 0.4178, 0.2647



33.5528, 0.4577, 0.4631



33.5528, 0.2063, 0.3998



33.5528, 0.1722, 0.1885

Rectangle

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



33.5528, 0.4178, 0.2647



33.5528, 0.5076, 0.3716



33.5528, 0.2063, 0.3998



33.5528, 0.1498, 0.2381

Sweetspot

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



33.5546, 0.4178, 0.2647



72.5448, 0.3334, 0.3095



27.5082, 0.2589, 0.1630



14.7155, 0.3375, 0.3061



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.



33.5546, 0.4178, 0.2647



28.0001, 0.4518, 0.2583



33.8541, 0.4954, 0.3392



18.1151, 0.3227, 0.3189



11.7066, 0.5282, 0.2683



1.1611, 0.4990, 0.2523

Inverse Universe

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



33.5546, 0.4178, 0.2647



28.0001, 0.4518, 0.2583



75.2154, 0.2363, 0.3167



18.1151, 0.3227, 0.3189



11.7066, 0.5282, 0.2683



1.1611, 0.4990, 0.2523

Previews

White Background



This preview shows how the Yxy color 33.5528, 0.4178, 0.2647 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 33.5528, 0.4178, 0.2647 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 33.5528, 0.4178, 0.2647

Background



This preview shows how black text looks on a background with the Yxy color 33.5528, 0.4178, 0.2647.



This preview shows how white text looks on a background with the Yxy color 33.5528, 0.4178, 0.2647.

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

33.5528, 0.4178, 0.2647

Protanopia

33.6795, 0.2660, 0.2640

Deuteranopia

33.6176, 0.3253, 0.3190



Tritanopia

33.4536, 0.4705, 0.3215

Trichromacy



Original Color

33.5528, 0.4178, 0.2647



Protanomaly

31.5967, 0.3119, 0.2593



Deuteranomaly

32.2154, 0.3584, 0.2930



Tritanomaly

33.2267, 0.4519, 0.3002

Monochromacy



Original Color

33.5528, 0.4178, 0.2647



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

31.1879, 0.3493, 0.2981

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5528, 0.4178, 0.2647 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, 167)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 167)  
}
```

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, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 167) }
```

Border

The CSS property to change the border of an element to Yxy 33.5528, 0.4178, 0.2647 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, 167) }
```

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

```
.border{ border-color:rgb(255, 102, 167) }
```

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, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 167);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 33.5528, 0.4178, 0.2647 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, 167) }
```

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

```
.background{ background-color: rgb(255,  
102, 167) }
```

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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