

Converting Colors

$Y_{xy}(33.3092, 0.2883, 0.2210)$

Have a look what the booklet for
Yxy(33.3092, 0.2883, 0.2210)
contains.

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Color

Yxy(33.3092, 0.2883, 0.2210)

Conversions

Conversions Part 1

Format	Color
Hex	C085DF
RGB	192, 133, 223
RGB Percent	75%, 52%, 87%
CMY	0.2469, 0.4785, 0.1254
CMYK	0.14, 0.40, 0.00, 0.13
HSL	279°, 58%, 70%
HSV	279°, 40%, 87%
XYZ	43.4527, 33.3092, 73.9585
YIQ	160.9010, 6.2740, 40.4980

Conversions

Conversions Part 2

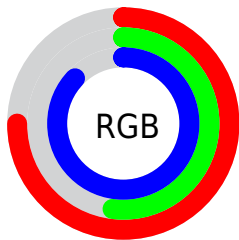
Format	Color
R _Y B	192, 133, 223
Decimal	12617183
CIE Lab	64.41, 38.58, -37.17
CIE LCh	64, 53.574, 316.068
Yxy	33.3092, 0.2883, 0.2210
Android (android.graphics.Color)	4290807263 (0xFFC085DF)
YUV	160.9010, 30.6148, 27.2738
Hunter-Lab	57.7141, 33.3921, -35.5780

Details

The Yxy color **33.3092, 0.2883, 0.2210** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **62.3625, 0.3278, 0.4452**, and the grayscale version is **35.4466, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.0846, 0.3120, 0.2616**, and **14.1430, 0.2795, 0.1946** is the 20% darker color. If you saturate the color by 10%, you get **26.8637, 0.2800, 0.1938**, and if you desaturate by 10%, it is **41.1058, 0.2957, 0.2489**.

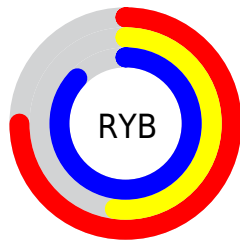
Distribution



Red (75%)

Green (52%)

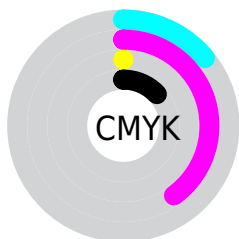
Blue (87%)



Red (75%)

Yellow (52%)

Blue (87%)

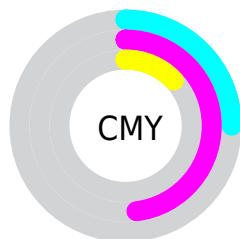


Cyan (14%)

Magenta (40%)

Yellow (0%)

Black (13%)



Cyan (25%)


Magenta (48%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3092, 0.2883, 0.2210 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 33.3092, 0.2883, 0.2210 by changing the saturation by 10% instead.


 33.3092, 0.2883,
0.2210


 33.3092, 0.2883,
0.2210


317.0407, 0.3024,
0.2729


 22.3634, 0.2843,
0.2089


 64.8580, 0.2938,
0.2393

 14.1242, 0.2789,
0.1938


 86.2297, 0.2958,
0.2463

 8.2071, 0.2713,
0.1748

 111.8456, 0.2974,
0.2523

 4.2277, 0.2602,
0.1502

142.0900, 0.2987,
0.2575

 1.8018, 0.2426,
0.1177

177.3474, 0.2999,
0.2621

 0.4883, 0.2145,
0.0679

218.0020, 0.3008,


 0.0000, 0.1343,

0.2661

0.0000


264.4383, 0.3017,
0.2697


 0.0000, 0.0000,
0.0000


 33.3092, 0.2883,
0.2210


 33.3092, 0.2883,
0.2210


 26.8637, 0.2800,
0.1938

 41.1058, 0.2957,
0.2489


 21.6817, 0.2711,
0.1684

 50.3257, 0.3023,
0.2766


 17.6713, 0.2618,
0.1462

 61.0407, 0.3078,
0.3031

 14.7264, 0.2524,
0.1282

 73.3165, 0.3126,
0.3281

 12.7204, 0.2432,
0.1152

 87.2149, 0.3165,
0.3512

■ 11.4652, 0.2349,
0.1068

■ 95.0383, 0.3206,
0.3612

■ 96.3955, 0.3256,
0.3607

■ 97.8099, 0.3305,
0.3602

■ 98.1083, 0.3315,
0.3601

Harmonies

Analogous

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



33.3092, 0.2206, 0.2047



33.3092, 0.2883, 0.2210



33.3092, 0.3738, 0.2586

Triad

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



33.3092, 0.2883, 0.2210



33.3092, 0.4559, 0.4299



33.3092, 0.1915, 0.3264

Complementary

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



33.3092, 0.2883, 0.2210



62.3625, 0.3278, 0.4452

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.



33.3092, 0.2436, 0.4174



33.3092, 0.2883, 0.2210



33.3092, 0.3962, 0.4752

Square

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



33.3092, 0.2883, 0.2210



33.3092, 0.4779, 0.3704



33.3092, 0.3186, 0.4776



33.3092, 0.1712, 0.2531

Rectangle

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



33.3092, 0.2883, 0.2210



33.3092, 0.4267, 0.2924



33.3092, 0.3186, 0.4776



33.3092, 0.2055, 0.3566

Sweetspot

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



33.3106, 0.2883, 0.2210



80.0642, 0.3070, 0.2987



37.0418, 0.2449, 0.2495



16.7128, 0.3062, 0.2952



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.



33.3106, 0.2883, 0.2210



38.0150, 0.2818, 0.1991



37.0894, 0.3301, 0.2430



13.6873, 0.3083, 0.3055



6.8055, 0.2361, 0.1075



0.5207, 0.2494, 0.1147

Inverse Universe

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



35.1396, 0.3789, 0.2925



41.0096, 0.3989, 0.2856



59.8572, 0.2994, 0.4340



13.7780, 0.3238, 0.3210



9.5562, 0.5591, 0.2854



0.6788, 0.5159, 0.2616

Previews

White Background



This preview shows how the Yxy color 33.3092, 0.2883, 0.2210 looks on a white background.

Color Contrast Check

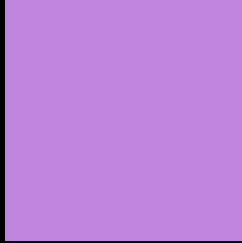
Large Text (above 18pt) WCAG AA × Fail

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 33.3092, 0.2883, 0.2210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

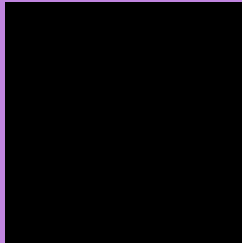
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.3092, 0.2883, 0.2210

Background



This preview shows how black text looks on a background with the Yxy color 33.3092, 0.2883, 0.2210.



This preview shows how white text looks on a background with the Yxy color 33.3092, 0.2883, 0.2210.

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

33.3092, 0.2883, 0.2210

Protanopia

33.8381, 0.2289, 0.2158

Deuteranopia

33.7081, 0.2466, 0.2409



Tritanopia

33.2811, 0.3385, 0.3138

Trichromacy



Original Color

33.3092, 0.2883, 0.2210



Protanomaly

32.9823, 0.2466, 0.2157



Deuteranomaly

33.1027, 0.2604, 0.2326



Tritanomaly

33.1625, 0.3193, 0.2760

Monochromacy



Original Color

33.3092, 0.2883, 0.2210



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

34.3646, 0.3032, 0.2837

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3092, 0.2883, 0.2210 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(192, 133, 223)` looks like.

```
.text, #text, p{  
    color:rgb(192, 133, 223)  
}
```

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(192, 133, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 133, 223) }
```

Border

The CSS property to change the border of an element to Yxy 33.3092, 0.2883, 0.2210 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(192, 133, 223) }
```

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

```
.border{ border-color:rgb(192, 133, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 133, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(192, 133, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(192, 133, 223); box-shadow:4px 4px 4px 4px rgb(192, 133, 223) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3092, 0.2883, 0.2210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 133, 223) }
```

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

```
.background{ background-color: rgb(192,  
133, 223) }
```

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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