

Converting Colors

$Y_{xy}(31.8241, 0.3732, 0.2693)$

Have a look what the booklet for
Yxy(31.8241, 0.3732, 0.2693)
contains.

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Color

Yxy(31.9028, 0.3731, 0.2693)

Conversions

Conversions Part 1

Format	Color
Hex	DE78AB
RGB	222, 120, 171
RGB Percent	87%, 47%, 67%
CMY	0.1293, 0.5295, 0.3294
CMYK	0.00, 0.46, 0.23, 0.13
HSL	330°, 61%, 67%
HSV	330°, 46%, 87%
XYZ	44.1995, 31.9028, 42.3633
YIQ	156.3120, 44.4210, 37.4850

Conversions

Conversions Part 2

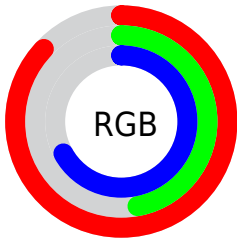
Format	Color
RYB	222, 120, 171
Decimal	14579883
CIELab	63.26, 45.72, -9.35
CIELCh	63, 46.670, 348.446
Yxy	31.9028, 0.3731, 0.2693
Android (android.graphics.Color)	4292769963 (0xFFDE78AB)
YUV	156.3120, 7.2412, 57.6084
Hunter-Lab	56.4826, 40.8379, -4.9312

Details

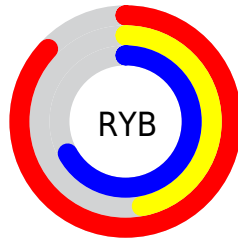
The Yxy color **31.9028, 0.3731, 0.2693** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **59.1916, 0.2782, 0.3994**, and the grayscale version is **33.3444, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.4109, 0.3395, 0.2773**, and **13.3456, 0.3925, 0.2512** is the 20% darker color. If you saturate the color by 10%, you get **26.7639, 0.3932, 0.2578**, and if you desaturate by 10%, it is **38.3183, 0.3557, 0.2822**.

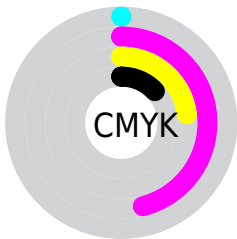
Distribution



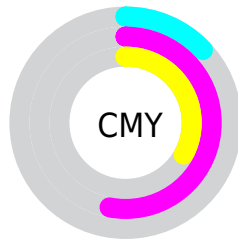
- Red (87%)
- Green (47%)
- Blue (67%)



- Red (87%)
- Yellow (47%)
- Blue (67%)



- Cyan (0%)
- Magenta (46%)
- Yellow (23%)
- Black (13%)





- Cyan (13%)
- Magenta (53%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.9028, 0.3731, 0.2693 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 31.9028, 0.3731, 0.2693 by changing the saturation by 10% instead.


 31.9028, 0.3731,
0.2693


 31.9028, 0.3731,
0.2693


310.6762, 0.3418,
0.2996


 21.2873, 0.3813,
0.2616


 62.6587, 0.3614,
0.2804

 13.3341, 0.3920,
0.2517


 83.5678, 0.3571,
0.2846

 7.6590, 0.4067,
0.2383


 108.6769, 0.3535,
0.2881

 3.8776, 0.4278,
0.2196

138.3705, 0.3505,
0.2910

 1.6053, 0.4608,
0.1917

173.0327, 0.3478,
0.2936

 0.3612, 0.5350,
0.1191

213.0482, 0.3456,


 0.0000, 1.0000,

0.2959


0.0000


258.8012, 0.3435,
0.2979


 0.0000, 0.0000,
0.0000

 31.9028, 0.3731,
0.2693


 31.9028, 0.3731,
0.2693


 26.7639, 0.3932,
0.2578


 38.3183, 0.3557,
0.2822


 22.8094, 0.4157,
0.2488


 46.0850, 0.3408,
0.2956


 19.9417, 0.4399,
0.2437


 55.2774, 0.3284,
0.3089


 18.0458, 0.4647,
0.2435

 65.9631, 0.3180,
0.3217

 16.9790, 0.4889,
0.2489

 78.2052, 0.3095,
0.3338

 16.6830, 0.4984,
0.2519

 92.0634, 0.3024,
0.3450

 93.8764, 0.2963,
0.3353

 94.2746, 0.2929,
0.3289

Harmonies

Analogous

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



31.9028, 0.2972, 0.2335



31.9028, 0.3731, 0.2693



31.9028, 0.4359, 0.3182

Triad

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



31.9028, 0.3731, 0.2693



31.9028, 0.3838, 0.4611



31.9028, 0.1847, 0.2584

Complementary

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



31.9028, 0.3731, 0.2693



59.1916, 0.2782, 0.3994

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.



31.9028, 0.2017, 0.3217



31.9028, 0.3731, 0.2693



31.9028, 0.3138, 0.4563

Square

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



31.9028, 0.3731, 0.2693



31.9028, 0.4383, 0.4253



31.9028, 0.2473, 0.4003



31.9028, 0.1960, 0.2241

Rectangle

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



31.9028, 0.3731, 0.2693



31.9028, 0.4570, 0.3544



31.9028, 0.2473, 0.4003



31.9028, 0.1871, 0.2765

Sweetspot

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



31.9043, 0.3731, 0.2693



78.2031, 0.3263, 0.3114



27.1735, 0.2672, 0.1999



16.0990, 0.3287, 0.3085



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.



31.9043, 0.3731, 0.2693



36.9624, 0.3920, 0.2584



30.3608, 0.4350, 0.3274



13.8143, 0.3214, 0.3173



9.9287, 0.4952, 0.2501



0.7063, 0.4611, 0.2314

Inverse Universe

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



31.9043, 0.3731, 0.2693



36.9624, 0.3920, 0.2584



61.4362, 0.2523, 0.3310



13.8143, 0.3214, 0.3173



9.9287, 0.4952, 0.2501



0.7063, 0.4611, 0.2314

Previews

White Background



This preview shows how the Yxy color 31.9028, 0.3731, 0.2693 looks on a white background.

Color Contrast Check

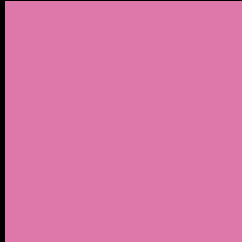
Large Text (above 18pt) WCAG AA × Fail

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 31.9028, 0.3731, 0.2693 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 31.9028, 0.3731, 0.2693

Background



This preview shows how black text looks on a background with the Yxy color 31.9028, 0.3731, 0.2693.



This preview shows how white text looks on a background with the Yxy color 31.9028, 0.3731, 0.2693.

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

31.9028, 0.3731, 0.2693

Protanopia

32.1915, 0.2714, 0.2709

Deuteranopia

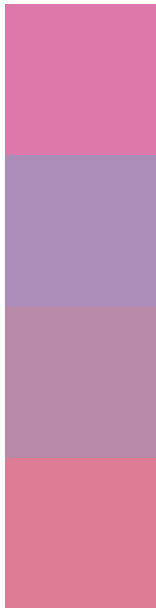
32.0346, 0.3109, 0.3042



Tritanopia

32.0164, 0.4102, 0.3184

Trichromacy



Original Color

31.9028, 0.3731, 0.2693

Protanomaly

30.9875, 0.3034, 0.2683

Deuteranomaly

31.1945, 0.3317, 0.2881

Tritanomaly

31.8009, 0.3965, 0.2992

Monochromacy



Original Color

31.9028, 0.3731, 0.2693

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

31.9214, 0.3340, 0.3039

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9028, 0.3731, 0.2693 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(222, 120, 171)` looks like.

```
.text, #text, p{  
    color:rgb(222, 120, 171)  
}
```

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(222, 120, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 120, 171) }
```

Border

The CSS property to change the border of an element to Yxy 31.9028, 0.3731, 0.2693 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(222, 120, 171) }
```

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

```
.border{ border-color:rgb(222, 120, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 120, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 120, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 120, 171);  
box-shadow:4px 4px 4px 4px rgb(222, 120,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9028, 0.3731, 0.2693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 120, 171) }
```

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

```
.background{ background-color: rgb(222,  
120, 171) }
```

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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