

Converting Colors

$Y_{xy}(31.7793, 0.3444, 0.2530)$

Have a look what the booklet for
Yxy(31.7793, 0.3444, 0.2530)
contains.

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Color

Yxy(31.7081, 0.3445, 0.2534)

Conversions

Conversions Part 1

Format	Color
Hex	D47BBA
RGB	212, 123, 186
RGB Percent	83%, 48%, 73%
CMY	0.1685, 0.5177, 0.2705
CMYK	0.00, 0.42, 0.12, 0.17
HSL	318°, 51%, 66%
HSV	318°, 42%, 83%
XYZ	43.1075, 31.7081, 50.3150
YIQ	156.7930, 32.8210, 38.4610

Conversions

Conversions Part 2

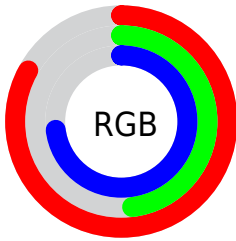
Format	Color
R _Y B	212, 123, 186
Decimal	13925306
CIE Lab	63.10, 43.20, -18.24
CIE LCh	63, 46.898, 337.108
Yxy	31.7081, 0.3445, 0.2534
Android (android.graphics.Color)	4292115386 (0xFFD47BBA)
YUV	156.7930, 14.3991, 48.4165
Hunter-Lab	56.3099, 38.1064, -13.5609

Details

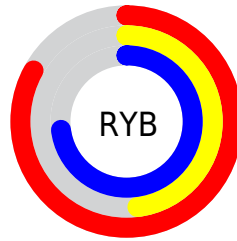
The Yxy color **31.7081, 0.3445, 0.2534** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **53.4860, 0.2915, 0.4197**, and the grayscale version is **33.5423, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.1151, 0.3263, 0.2643**, and **13.2679, 0.3534, 0.2322** is the 20% darker color. If you saturate the color by 10%, you get **26.7497, 0.3550, 0.2367**, and if you desaturate by 10%, it is **37.8201, 0.3351, 0.2714**.

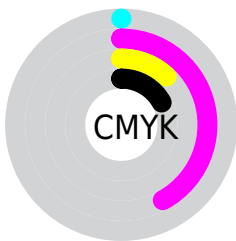
Distribution



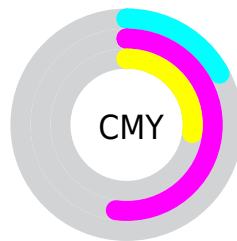
- Red (83%)
- Green (48%)
- Blue (73%)



- Red (83%)
- Yellow (48%)
- Blue (73%)



- Cyan (0%)
- Magenta (42%)
- Yellow (12%)
- Black (17%)





- Cyan (17%)
- Magenta (52%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7081, 0.3445, 0.2534 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 31.7081, 0.3445, 0.2534 by changing the saturation by 10% instead.

 31.7081, 0.3445,
0.2534


 31.7081, 0.3445,
0.2534


309.7874, 0.3288,
0.2910

 21.1386, 0.3483,
0.2441


 62.3532, 0.3388,
0.2670

 13.2254, 0.3532,
0.2323


 83.1976, 0.3367,
0.2721

 7.5839, 0.3596,
0.2167


 108.2358, 0.3349,
0.2765

 3.8299, 0.3682,
0.1954

137.8522, 0.3333,
0.2802

 1.5789, 0.3805,
0.1647

172.4312, 0.3320,
0.2835

 0.3433, 0.4097,
0.0935

212.3571, 0.3308,


 0.0000, 0.4255,


0.2863

0.0000


258.0144, 0.3297,
0.2888


 0.0000, 0.0000,
0.0000


 31.7081, 0.3445,
0.2534


 31.7081, 0.3445,
0.2534


 26.7497, 0.3550,
0.2367


 37.8201, 0.3351,
0.2714

 22.8659, 0.3664,
0.2224

 45.1489, 0.3269,
0.2898


 19.9750, 0.3785,
0.2114


 53.7586, 0.3198,
0.3080


 17.9815, 0.3909,
0.2048


 63.7074, 0.3138,
0.3256

 16.7709, 0.4031,
0.2031


 75.0499, 0.3087,
0.3422

 16.2082, 0.4126,
0.2047

 87.8376, 0.3044,
0.3577

 91.2015, 0.3009,
0.3559

 91.5545, 0.2975,
0.3492

 91.9200, 0.2942,
0.3427

Harmonies

Analogous

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



31.7081, 0.2707, 0.2242



31.7081, 0.3445, 0.2534



31.7081, 0.4164, 0.2984

Triad

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



31.7081, 0.3445, 0.2534



31.7081, 0.4077, 0.4517



31.7081, 0.1870, 0.2787

Complementary

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



31.7081, 0.3445, 0.2534



53.4860, 0.2915, 0.4197

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.



31.7081, 0.2150, 0.3514



31.7081, 0.3445, 0.2534



31.7081, 0.3410, 0.4653

Square

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



31.7081, 0.3445, 0.2534



31.7081, 0.4520, 0.4067



31.7081, 0.2704, 0.4272



31.7081, 0.1878, 0.2330

Rectangle

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



31.7081, 0.3445, 0.2534



31.7081, 0.4485, 0.3337



31.7081, 0.2704, 0.4272



31.7081, 0.1930, 0.3005

Sweetspot

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



31.7096, 0.3445, 0.2534



80.0348, 0.3206, 0.3060



25.2316, 0.2559, 0.2068



16.4806, 0.3221, 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.



31.7096, 0.3445, 0.2534



41.6173, 0.3534, 0.2391



30.1247, 0.3965, 0.3051



12.5680, 0.3182, 0.3126



10.0201, 0.4110, 0.2038



0.6185, 0.3919, 0.1932

Inverse Universe

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



31.7096, 0.3445, 0.2534



41.6173, 0.3534, 0.2391



55.1551, 0.2661, 0.3553



12.5680, 0.3182, 0.3126



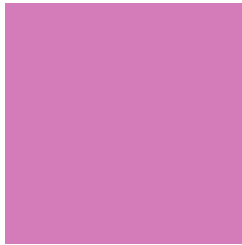
10.0201, 0.4110, 0.2038



0.6185, 0.3919, 0.1932

Previews

White Background



This preview shows how the Yxy color 31.7081, 0.3445, 0.2534 looks on a white background.

Color Contrast Check

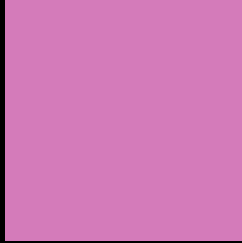
Large Text (above 18pt) WCAG AA × Fail

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 31.7081, 0.3445, 0.2534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

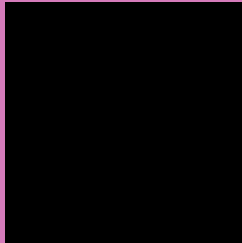
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.7081, 0.3445, 0.2534

Background



This preview shows how black text looks on a background with the Yxy color 31.7081, 0.3445, 0.2534.



This preview shows how white text looks on a background with the Yxy color 31.7081, 0.3445, 0.2534.

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

31.7081, 0.3445, 0.2534

Protanopia

31.9078, 0.2556, 0.2507

Deuteranopia

32.0189, 0.2888, 0.2839



Tritanopia

31.7209, 0.3877, 0.3164

Trichromacy



Original Color

31.7081, 0.3445, 0.2534



Protanomaly

31.0658, 0.2825, 0.2498



Deuteranomaly

31.2890, 0.3073, 0.2701



Tritanomaly

31.7244, 0.3720, 0.2927

Monochromacy



Original Color

31.7081, 0.3445, 0.2534



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

32.4251, 0.3235, 0.2970

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7081, 0.3445, 0.2534 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(212, 123, 186)` looks like.

```
.text, #text, p{  
    color:rgb(212, 123, 186)  
}
```

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(212, 123, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 123, 186) }
```

Border

The CSS property to change the border of an element to Yxy 31.7081, 0.3445, 0.2534 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(212, 123, 186) }
```

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

```
.border{ border-color:rgb(212, 123, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 123, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(212, 123, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(212, 123, 186); box-shadow:4px 4px 4px 4px rgb(212, 123, 186) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7081, 0.3445, 0.2534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 123, 186) }
```

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

```
.background{ background-color: rgb(212,  
123, 186) }
```

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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