

Converting Colors

$Y_{xy}(31.5083, 0.3419, 0.2356)$

Have a look what the booklet for
Yxy(31.5083, 0.3419, 0.2356)
contains.

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Color

Yxy(31.5083, 0.3419, 0.2356)

Conversions

Conversions Part 1

Format	Color
Hex	DC73C5
RGB	220, 115, 197
RGB Percent	86%, 45%, 77%
CMY	0.1373, 0.5490, 0.2274
CMYK	0.00, 0.48, 0.10, 0.14
HSL	313°, 60%, 66%
HSV	313°, 48%, 86%
XYZ	45.7245, 31.5083, 56.5036
YIQ	155.7430, 36.2580, 47.7620

Conversions

Conversions Part 2

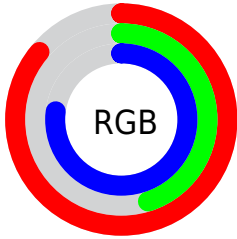
Format	Color
R _Y B	220, 115, 197
Decimal	14447557
CIE Lab	62.93, 51.54, -24.63
CIE LCh	63, 57.124, 334.463
Yxy	31.5083, 0.3419, 0.2356
Android (android.graphics.Color)	4292637637 (0xFFDC73C5)
YUV	155.7430, 20.3397, 56.3534
Hunter-Lab	56.1323, 47.1719, -20.3897

Details

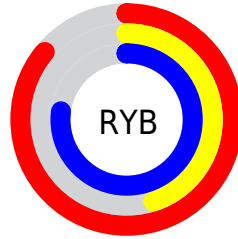
The Yxy color **31.5083, 0.3419, 0.2356** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **56.6649, 0.2935, 0.4464**, and the grayscale version is **33.0221, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.1652, 0.3174, 0.2468**, and **13.1072, 0.3493, 0.2107** is the 20% darker color. If you saturate the color by 10%, you get **26.8595, 0.3501, 0.2189**, and if you desaturate by 10%, it is **37.3642, 0.3343, 0.2544**.

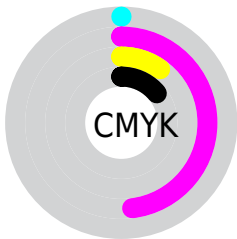
Distribution



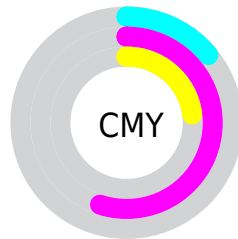
- Red (86%)
- Green (45%)
- Blue (77%)



- Red (86%)
- Yellow (45%)
- Blue (77%)



- Cyan (0%)
- Magenta (48%)
- Yellow (10%)
- Black (14%)





- Cyan (14%)
- Magenta (55%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.5083, 0.3419, 0.2356 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 31.5083, 0.3419, 0.2356 by changing the saturation by 10% instead.


 31.5083, 0.3419,
0.2356


 31.5083, 0.3419,
0.2356


308.8733, 0.3282,
0.2812


 20.9862, 0.3450,
0.2246


 62.0395, 0.3371,
0.2519

 13.1139, 0.3489,
0.2109


 82.8173, 0.3353,
0.2581

 7.5070, 0.3536,
0.1931


 107.7826, 0.3337,
0.2634

 3.7812, 0.3596,
0.1694

137.3196, 0.3323,
0.2679

 1.5519, 0.3670,
0.1368

171.8128, 0.3311,
0.2719

 0.3249, 0.3839,
0.0695

211.6465, 0.3300,


 0.0000, 0.3718,

0.2754


0.0000


257.2052, 0.3290,
0.2785

 0.0000, 0.0000,
0.0000

 31.5083, 0.3419,
0.2356


 31.5083, 0.3419,
0.2356


 26.8595, 0.3501,
0.2189


 37.3642, 0.3343,
0.2544


 23.3267, 0.3587,
0.2052

 44.5008, 0.3275,
0.2743


 20.8133, 0.3675,
0.1955


 52.9911, 0.3215,
0.2945


 19.2038, 0.3761,
0.1905


 62.9013, 0.3163,
0.3143


 18.3386, 0.3844,
0.1900

 74.2932, 0.3118,
0.3332

 18.1877, 0.3863,
0.1902

 87.2249, 0.3079,
0.3511

 92.4892, 0.3050,
0.3541

 92.7647, 0.3023,
0.3490

 93.0477, 0.2996,
0.3440

Harmonies

Analogous

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



31.5083, 0.2545, 0.2039



31.5083, 0.3419, 0.2356



31.5083, 0.4323, 0.2859

Triad

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



31.5083, 0.3419, 0.2356



31.5083, 0.4294, 0.4700



31.5083, 0.1656, 0.2724

Complementary

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



31.5083, 0.3419, 0.2356



56.6649, 0.2935, 0.4464

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.



31.5083, 0.1997, 0.3639



31.5083, 0.3419, 0.2356



31.5083, 0.3507, 0.4978

Square

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



31.5083, 0.3419, 0.2356



31.5083, 0.4817, 0.4110



31.5083, 0.2665, 0.4589



31.5083, 0.1645, 0.2168

Rectangle

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



31.5083, 0.3419, 0.2356



31.5083, 0.4743, 0.3257



31.5083, 0.2665, 0.4589



31.5083, 0.1731, 0.2995

Sweetspot

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



31.5098, 0.3419, 0.2356



78.8066, 0.3195, 0.3017



22.8121, 0.2400, 0.1857



16.2465, 0.3207, 0.2973



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.



31.5098, 0.3419, 0.2356



37.6741, 0.3499, 0.2192



29.5146, 0.4054, 0.2937



13.2235, 0.3171, 0.3109



10.6917, 0.3851, 0.1895



0.7050, 0.3726, 0.1826

Inverse Universe

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



31.5098, 0.3419, 0.2356



37.6741, 0.3499, 0.2192



58.5589, 0.2649, 0.3695



13.2235, 0.3171, 0.3109



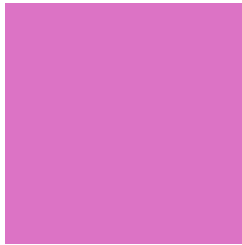
10.6917, 0.3851, 0.1895



0.7050, 0.3726, 0.1826

Previews

White Background



This preview shows how the Yxy color 31.5083, 0.3419, 0.2356 looks on a white background.

Color Contrast Check

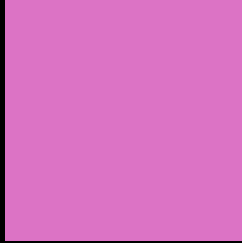
Large Text (above 18pt) WCAG AA × Fail

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 31.5083, 0.3419, 0.2356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

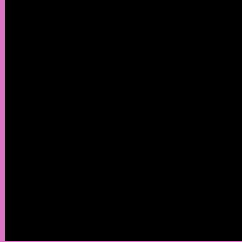
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.5083, 0.3419, 0.2356

Background



This preview shows how black text looks on a background with the Yxy color 31.5083, 0.3419, 0.2356.

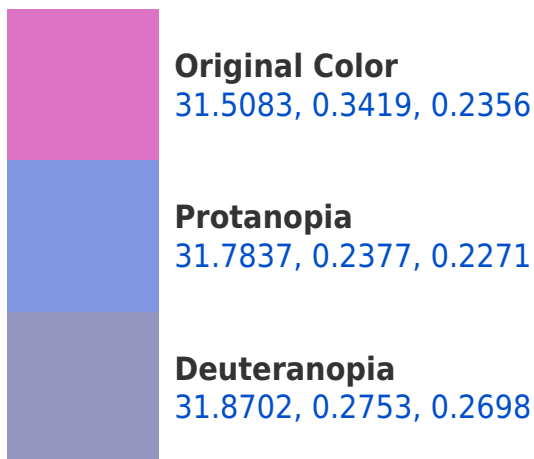


This preview shows how white text looks on a background with the Yxy color 31.5083, 0.3419, 0.2356.

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





Tritanopia

31.4195, 0.4008, 0.3168

Trichromacy



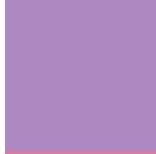
Original Color

31.5083, 0.3419, 0.2356



Protanomaly

30.3234, 0.2676, 0.2268



Deuteranomaly

30.7402, 0.2971, 0.2535



Tritanomaly

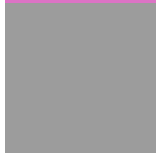
31.2681, 0.3802, 0.2854

Monochromacy



Original Color

31.5083, 0.3419, 0.2356



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

31.5737, 0.3230, 0.2876

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5083, 0.3419, 0.2356 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(220, 115, 197)` looks like.

```
.text, #text, p{  
    color:rgb(220, 115, 197)  
}
```

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(220, 115, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 115, 197) }
```

Border

The CSS property to change the border of an element to Yxy 31.5083, 0.3419, 0.2356 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(220, 115, 197) }
```

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

```
.border{ border-color:rgb(220, 115, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 115, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 115, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 115, 197);  
box-shadow:4px 4px 4px 4px rgb(220, 115,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5083, 0.3419, 0.2356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 115, 197) }
```

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

```
.background{ background-color: rgb(220,  
115, 197) }
```

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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