

Converting Colors

$Y_{xy}(31.6392, 0.3286, 0.2075)$

Have a look what the booklet for
Yxy(31.6392, 0.3286, 0.2075)
contains.

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Color

Yxy(31.6731, 0.3288, 0.2081)

Conversions

Conversions Part 1

Format	Color
Hex	E568DB
RGB	229, 104, 219
RGB Percent	90%, 41%, 86%
CMY	0.1020, 0.5921, 0.1412
CMYK	0.00, 0.55, 0.04, 0.10
HSL	305°, 71%, 65%
HSV	305°, 55%, 90%
XYZ	50.0438, 31.6731, 70.4844
YIQ	154.4850, 37.5850, 62.2650

Conversions

Conversions Part 2

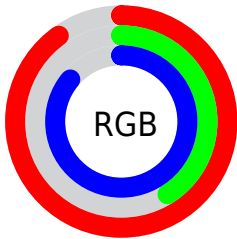
Format	Color
R _Y B	229, 104, 219
Decimal	15034587
CIE Lab	63.07, 62.92, -36.68
CIE LCh	63, 72.830, 329.758
Yxy	31.6731, 0.3288, 0.2081
Android (android.graphics.Color)	4293224667 (0xFFE568DB)
YUV	154.4850, 31.8059, 65.3497
Hunter-Lab	56.2789, 60.2362, -34.8604

Details

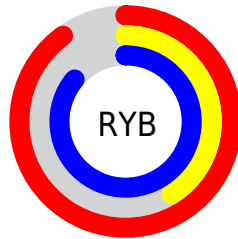
The Yxy color **31.6731, 0.3288, 0.2081** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **60.1890, 0.3000, 0.4911**, and the grayscale version is **32.3873, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6216, 0.3171, 0.2366**, and **13.2923, 0.3300, 0.1792** is the 20% darker color. If you saturate the color by 10%, you get **27.5767, 0.3321, 0.1916**, and if you desaturate by 10%, it is **37.0248, 0.3255, 0.2277**.

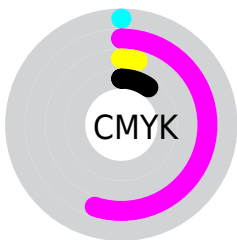
Distribution



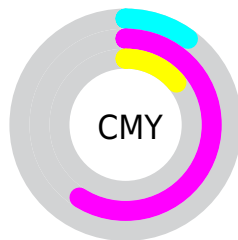
- Red (90%)
- Green (41%)
- Blue (86%)



- Red (90%)
- Yellow (41%)
- Blue (86%)



- Cyan (0%)
- Magenta (55%)
- Yellow (4%)
- Black (10%)





- Cyan (10%)
- Magenta (59%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.6731, 0.3288, 0.2081 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 31.6731, 0.3288, 0.2081 by changing the saturation by 10% instead.


 31.6731, 0.3288,
0.2081


 31.6731, 0.3288,
0.2081


309.6274, 0.3230,
0.2651


 21.1119, 0.3296,
0.1951


 62.2983, 0.3272,
0.2279

 13.2058, 0.3302,
0.1791


 83.1310, 0.3265,
0.2356

 7.5704, 0.3304,
0.1591


 108.1565, 0.3258,
0.2423

 3.8213, 0.3295,
0.1338

 137.7590, 0.3251,
0.2480

 1.5741, 0.3262,
0.1012

172.3229, 0.3245,
0.2531

 0.3401, 0.3208,
0.0469

212.2327, 0.3240,


 0.0000, 0.2928,


0.2576

0.0000


257.8727, 0.3235,
0.2615

 0.0000, 0.0000,
0.0000


 31.6731, 0.3288,
0.2081


 31.6731, 0.3288,
0.2081


 27.5767, 0.3321,
0.1916


 37.0248, 0.3255,
0.2277


 24.6273, 0.3353,
0.1790


 43.7197, 0.3222,
0.2495


 22.7059, 0.3383,
0.1707

 51.8428, 0.3192,
0.2725

 21.6651, 0.3410,
0.1668

 61.4710, 0.3164,
0.2958

 21.3416, 0.3424,
0.1660

 72.6755, 0.3138,
0.3188

■ 85.5232, 0.3115,
0.3408

■ 93.9905, 0.3099,
0.3526

■ 94.0951, 0.3088,
0.3507

■ 94.2007, 0.3078,
0.3488

Harmonies

Analogous

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



31.6731, 0.2256, 0.1754



31.6731, 0.3288, 0.2081



31.6731, 0.4477, 0.2635

Triad

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



31.6731, 0.3288, 0.2081



31.6731, 0.4620, 0.4847



31.6731, 0.1381, 0.2689

Complementary

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



31.6731, 0.3288, 0.2081



60.1890, 0.3000, 0.4911

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.



31.6731, 0.1817, 0.3931



31.6731, 0.3288, 0.2081



31.6731, 0.3676, 0.5415

Square

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



31.6731, 0.3288, 0.2081



31.6731, 0.5247, 0.4062



31.6731, 0.2655, 0.5153



31.6731, 0.1331, 0.1971

Rectangle

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



31.6731, 0.3288, 0.2081



31.6731, 0.5074, 0.3081



31.6731, 0.2655, 0.5153



31.6731, 0.1479, 0.3052

Sweetspot

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



31.6746, 0.3288, 0.2081



76.4660, 0.3168, 0.2923



19.0298, 0.2129, 0.1569



15.8009, 0.3173, 0.2875



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.



31.6746, 0.3288, 0.2081



34.8417, 0.3324, 0.1904



29.0353, 0.4015, 0.2683



14.5943, 0.3150, 0.3077



12.2126, 0.3420, 0.1658



0.9084, 0.3386, 0.1639

Inverse Universe

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



31.6746, 0.3288, 0.2081



34.8417, 0.3324, 0.1904



62.0623, 0.2695, 0.4036



14.5943, 0.3150, 0.3077



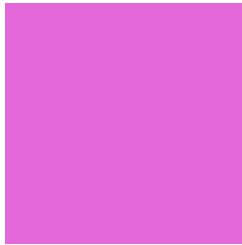
12.2126, 0.3420, 0.1658



0.9084, 0.3386, 0.1639

Previews

White Background



This preview shows how the Yxy color 31.6731, 0.3288, 0.2081 looks on a white background.

Color Contrast Check

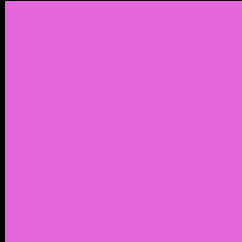
Large Text (above 18pt) WCAG AA × Fail

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 31.6731, 0.3288, 0.2081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

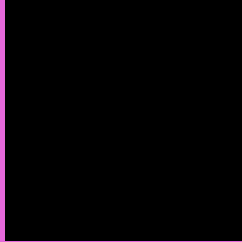
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.6731, 0.3288, 0.2081

Background



This preview shows how black text looks on a background with the Yxy color 31.6731, 0.3288, 0.2081.

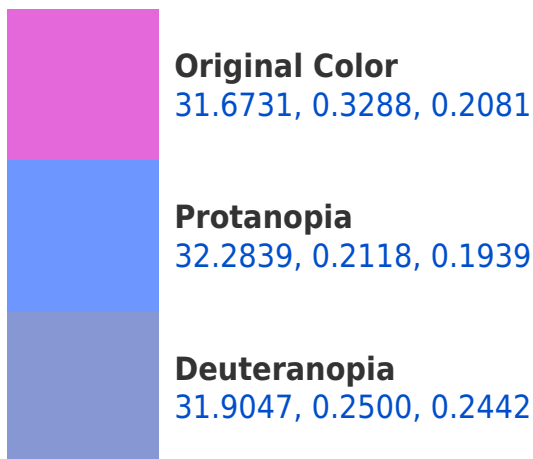


This preview shows how white text looks on a background with the Yxy color 31.6731, 0.3288, 0.2081.

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

31.4485, 0.4136, 0.3184

Trichromacy



Original Color

31.6731, 0.3288, 0.2081



Protanomaly

29.9582, 0.2418, 0.1929



Deuteranomaly

30.3403, 0.2745, 0.2249



Tritanomaly

31.1272, 0.3823, 0.2730

Monochromacy



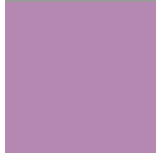
Original Color

31.6731, 0.3288, 0.2081



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

30.6464, 0.3186, 0.2720

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6731, 0.3288, 0.2081 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(229, 104, 219)` looks like.

```
.text, #text, p{  
    color:rgb(229, 104, 219)  
}
```

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(229, 104, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 104, 219) }
```

Border

The CSS property to change the border of an element to Yxy 31.6731, 0.3288, 0.2081 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(229, 104, 219) }
```

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

```
.border{ border-color:rgb(229, 104, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 104, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 104, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 104, 219);  
box-shadow:4px 4px 4px 4px rgb(229, 104,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6731, 0.3288, 0.2081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 104, 219) }
```

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

```
.background{ background-color: rgb(229,  
104, 219) }
```

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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