

Converting Colors

$Y_{xy}(31.3811, 0.3251, 0.2073)$

Have a look what the booklet for
Yxy(31.3811, 0.3251, 0.2073)
contains.

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Color

Yxy(31.3864, 0.3257, 0.2078)

Conversions

Conversions Part 1

Format	Color
Hex	E269DB
RGB	226, 105, 219
RGB Percent	89%, 41%, 86%
CMY	0.1138, 0.5881, 0.1413
CMYK	0.00, 0.54, 0.03, 0.11
HSL	303°, 68%, 65%
HSV	303°, 54%, 89%
XYZ	49.1942, 31.3864, 70.4608
YIQ	154.1750, 35.5220, 61.1060

Conversions

Conversions Part 2

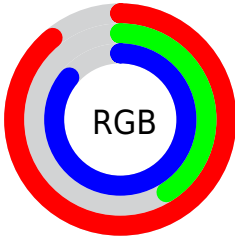
Format	Color
R _Y B	226, 105, 219
Decimal	14838235
CIE Lab	62.83, 61.65, -37.07
CIE LCh	63, 71.941, 328.980
Yxy	31.3864, 0.3257, 0.2078
Android (android.graphics.Color)	4293028315 (0xFFE269DB)
YUV	154.1750, 31.9587, 62.9905
Hunter-Lab	56.0236, 58.6992, -35.3525

Details

The Yxy color **31.3864, 0.3257, 0.2078** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **58.5594, 0.3014, 0.4910**, and the grayscale version is **32.2444, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.9697, 0.3170, 0.2375**, and **13.0382, 0.3257, 0.1779** is the 20% darker color. If you saturate the color by 10%, you get **27.3098, 0.3283, 0.1907**, and if you desaturate by 10%, it is **36.6893, 0.3230, 0.2280**.

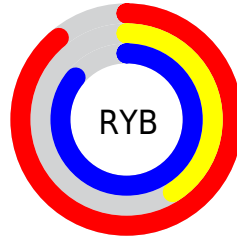
Distribution



Red (89%)

Green (41%)

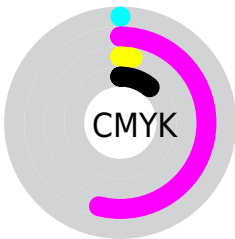
Blue (86%)



Red (89%)

Yellow (41%)

Blue (86%)

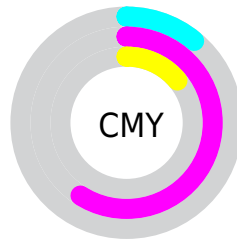


Cyan (0%)

Magenta (54%)

Yellow (3%)

Black (11%)



Cyan (11%)


Magenta (59%)

Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.3864, 0.3257, 0.2078 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 31.3864, 0.3257, 0.2078 by changing the saturation by 10% instead.

 31.3864, 0.3257,
0.2078


 31.3864, 0.3257,
0.2078


308.3145, 0.3215,
0.2650

 20.8933, 0.3261,
0.1947


 61.8479, 0.3247,
0.2277


 13.0460, 0.3262,
0.1786


 82.5851, 0.3242,
0.2355

 7.4602, 0.3257,
0.1585


 107.5057, 0.3236,
0.2421

 3.7516, 0.3239,
0.1330

 136.9942, 0.3232,
0.2479

 1.5356, 0.3190,
0.1002

171.4349, 0.3227,
0.2530

 0.3136, 0.3117,
0.0441

211.2123, 0.3223,


 0.0000, 0.2783,


0.2575


0.0000


256.7107, 0.3219,
0.2615


 0.0000, 0.0000,
0.0000


 31.3864, 0.3257,
0.2078


 31.3864, 0.3257,
0.2078

 27.3098, 0.3283,
0.1907


 36.6893, 0.3230,
0.2280


 24.3560, 0.3308,
0.1774


 43.3027, 0.3204,
0.2503


 22.4119, 0.3330,
0.1685

 51.3079, 0.3179,
0.2738

 21.3385, 0.3350,
0.1639

 60.7789, 0.3156,
0.2976

 20.9639, 0.3362,
0.1626

 71.7841, 0.3134,
0.3210

■ 84.3879, 0.3115,
0.3434

■ 93.2954, 0.3101,
0.3565

■ 93.3686, 0.3093,
0.3552

■ 93.4422, 0.3086,
0.3538

Harmonies

Analogous

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



31.3864, 0.2241, 0.1759



31.3864, 0.3257, 0.2078



31.3864, 0.4437, 0.2624

Triad

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



31.3864, 0.3257, 0.2078



31.3864, 0.4633, 0.4820



31.3864, 0.1399, 0.2722

Complementary

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



31.3864, 0.3257, 0.2078



58.5594, 0.3014, 0.4910

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.



31.3864, 0.1845, 0.3962



31.3864, 0.3257, 0.2078



31.3864, 0.3702, 0.5389

Square

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



31.3864, 0.3257, 0.2078



31.3864, 0.5241, 0.4041



31.3864, 0.2687, 0.5154



31.3864, 0.1340, 0.1994

Rectangle

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



31.3864, 0.3257, 0.2078



31.3864, 0.5039, 0.3067



31.3864, 0.2687, 0.5154



31.3864, 0.1501, 0.3087

Sweetspot

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



31.3878, 0.3257, 0.2078



76.5230, 0.3162, 0.2915



18.9835, 0.2137, 0.1601



15.8146, 0.3166, 0.2865



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.



31.3878, 0.3257, 0.2078



35.5050, 0.3285, 0.1893



28.7942, 0.3961, 0.2671



13.9212, 0.3147, 0.3072



11.9681, 0.3359, 0.1624



0.8338, 0.3334, 0.1610

Inverse Universe

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



31.3878, 0.3257, 0.2078



35.5050, 0.3285, 0.1893



60.3500, 0.2711, 0.4048



13.9212, 0.3147, 0.3072



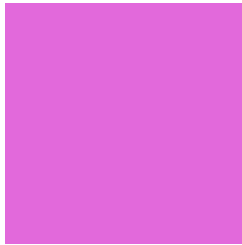
11.9681, 0.3359, 0.1624



0.8338, 0.3334, 0.1610

Previews

White Background



This preview shows how the Yxy color 31.3864, 0.3257, 0.2078 looks on a white background.

Color Contrast Check

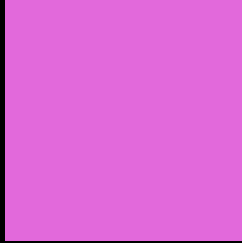
Large Text (above 18pt) WCAG AA × Fail

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 31.3864, 0.3257, 0.2078 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

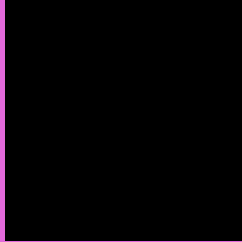
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.3864, 0.3257, 0.2078

Background



This preview shows how black text looks on a background with the Yxy color 31.3864, 0.3257, 0.2078.

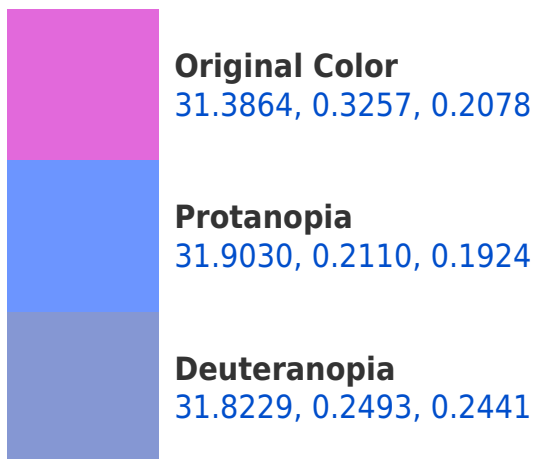


This preview shows how white text looks on a background with the Yxy color 31.3864, 0.3257, 0.2078.

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

31.2699, 0.4086, 0.3182

Trichromacy



Original Color

31.3864, 0.3257, 0.2078



Protanomaly

29.7652, 0.2403, 0.1924



Deuteranomaly

30.1207, 0.2727, 0.2244



Tritanomaly

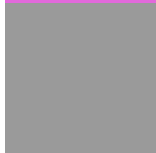
30.9257, 0.3775, 0.2723

Monochromacy



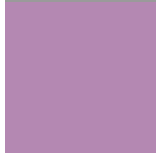
Original Color

31.3864, 0.3257, 0.2078



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

30.5260, 0.3175, 0.2718

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.3864, 0.3257, 0.2078 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(226, 105, 219)` looks like.

```
.text, #text, p{  
    color:rgb(226, 105, 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(226, 105, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 105, 219) }
```

Border

The CSS property to change the border of an element to Yxy 31.3864, 0.3257, 0.2078 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(226, 105, 219) }
```

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

```
.border{ border-color:rgb(226, 105, 219) }
```

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

Here you see how a box with a 4 pixel rgb(226, 105, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 105, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 105, 219);  
box-shadow:4px 4px 4px 4px rgb(226, 105,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 31.3864, 0.3257, 0.2078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 105, 219) }
```

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

```
.background{ background-color: rgb(226,  
105, 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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