

Converting Colors

$Y_{xy}(31.8004, 0.3174, 0.2238)$

Have a look what the booklet for
Yxy(31.8004, 0.3174, 0.2238)
contains.

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Color

Yxy(31.8377, 0.3166, 0.2238)

Conversions

Conversions Part 1

Format	Color
Hex	D278D3
RGB	210, 120, 211
RGB Percent	82%, 47%, 83%
CMY	0.1767, 0.5293, 0.1726
CMYK	0.00, 0.43, 0.00, 0.17
HSL	299°, 51%, 65%
HSV	299°, 43%, 83%
XYZ	45.0394, 31.8377, 65.3825
YIQ	157.2840, 24.4290, 47.3810

Conversions

Conversions Part 2

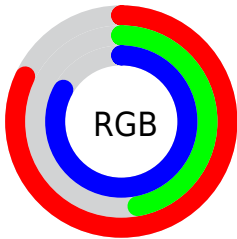
Format	Color
R _Y B	210, 120, 211
Decimal	13793491
CIE Lab	63.21, 48.40, -32.17
CIE LCh	63, 58.110, 326.390
Yxy	31.8377, 0.3166, 0.2238
Android (android.graphics.Color)	4291983571 (0xFFD278D3)
YUV	157.2840, 26.4820, 46.2319
Hunter-Lab	56.4249, 43.7384, -29.2050

Details

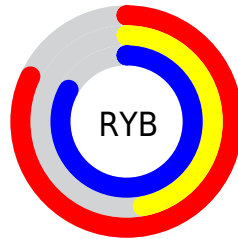
The Yxy color **31.8377, 0.3166, 0.2238** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **52.0028, 0.3071, 0.4619**, and the grayscale version is **33.7242, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.1399, 0.3164, 0.2508**, and **13.2846, 0.3160, 0.1968** is the 20% darker color. If you saturate the color by 10%, you get **27.2744, 0.3173, 0.2026**, and if you desaturate by 10%, it is **37.5218, 0.3158, 0.2472**.

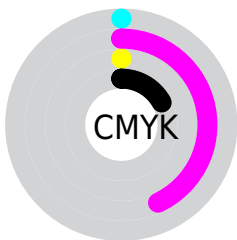
Distribution



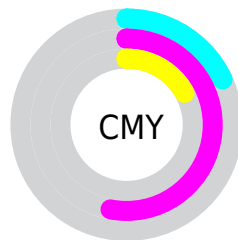
- Red (82%)
- Green (47%)
- Blue (83%)



- Red (82%)
- Yellow (47%)
- Blue (83%)



- Cyan (0%)
- Magenta (43%)
- Yellow (0%)
- Black (17%)




- Cyan (18%)
- Magenta (53%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.8377, 0.3166, 0.2238 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 31.8377, 0.3166, 0.2238 by changing the saturation by 10% instead.

 31.8377, 0.3166,
0.2238

 31.8377, 0.3166,
0.2238


310.3793, 0.3164,
0.2745

 21.2376, 0.3161,
0.2119


 62.5566, 0.3169,
0.2417

 13.2978, 0.3152,
0.1970


 83.4441, 0.3169,
0.2486

 7.6339, 0.3135,
0.1780


 108.5295, 0.3169,
0.2545

 3.8616, 0.3102,
0.1533

138.1973, 0.3168,
0.2596

 1.5964, 0.3034,
0.1203

172.8317, 0.3167,
0.2640

 0.3552, 0.2930,
0.0606

212.8173, 0.3166,

 0.0000, 0.2362,

0.2680

0.0000

258.5383, 0.3165,
0.2714

0.0000, 0.0000,
0.0000

31.8377, 0.3166,
0.2238

31.8377, 0.3166,
0.2238

27.2744, 0.3173,
0.2026

37.5218, 0.3158,
0.2472

23.7536, 0.3178,
0.1846

44.3900, 0.3149,
0.2719

21.1934, 0.3181,
0.1704


52.5058, 0.3140,
0.2969


19.4980, 0.3183,
0.1605


61.9271, 0.3130,
0.3215


18.5518, 0.3182,
0.1548

72.7079, 0.3121,
0.3452

 18.1988, 0.3181,
0.1526

 84.8994, 0.3112,
0.3676

 90.1616, 0.3109,
0.3760

 90.1969, 0.3110,
0.3760

 90.2322, 0.3112,
0.3759

Harmonies

Analogous

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



31.8377, 0.2342, 0.1980



31.8377, 0.3166, 0.2238



31.8377, 0.4112, 0.2702

Triad

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



31.8377, 0.3166, 0.2238



31.8377, 0.4484, 0.4569



31.8377, 0.1697, 0.2933

Complementary

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



31.8377, 0.3166, 0.2238



52.0028, 0.3071, 0.4619

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.



31.8377, 0.2134, 0.3926



31.8377, 0.3166, 0.2238



31.8377, 0.3737, 0.4978

Square

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



31.8377, 0.3166, 0.2238



31.8377, 0.4906, 0.3940



31.8377, 0.2879, 0.4791



31.8377, 0.1601, 0.2267

Rectangle

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



31.8377, 0.3166, 0.2238



31.8377, 0.4621, 0.3088



31.8377, 0.2879, 0.4791



31.8377, 0.1804, 0.3240

Sweetspot

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



31.8391, 0.3166, 0.2238



80.5722, 0.3140, 0.2968



22.5083, 0.2327, 0.1983



16.6144, 0.3142, 0.2912



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.



31.8391, 0.3166, 0.2238



42.2154, 0.3172, 0.2037



30.0789, 0.3658, 0.2713



12.0020, 0.3136, 0.3061



10.9891, 0.3181, 0.1526



0.6167, 0.3187, 0.1529

Inverse Universe

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



28.6701, 0.4237, 0.3280



36.7300, 0.4632, 0.3280



53.2521, 0.2808, 0.3962



11.8104, 0.3289, 0.3288



8.3620, 0.6387, 0.3292



0.4683, 0.6343, 0.3268

Previews

White Background



This preview shows how the Yxy color 31.8377, 0.3166, 0.2238 looks on a white background.

Color Contrast Check

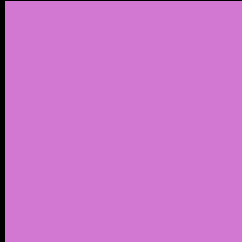
Large Text (above 18pt) WCAG AA × Fail

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 31.8377, 0.3166, 0.2238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

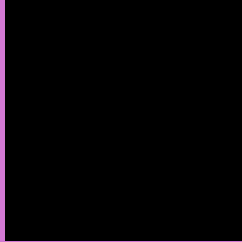
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.8377, 0.3166, 0.2238

Background



This preview shows how black text looks on a background with the Yxy color 31.8377, 0.3166, 0.2238.



This preview shows how white text looks on a background with the Yxy color 31.8377, 0.3166, 0.2238.

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

31.8377, 0.3166, 0.2238

Protanopia

32.4003, 0.2283, 0.2152

Deuteranopia

32.0300, 0.2578, 0.2522



Tritanopia

31.7898, 0.3764, 0.3161

Trichromacy



Original Color

31.8377, 0.3166, 0.2238



Protanomaly

31.2708, 0.2539, 0.2160



Deuteranomaly

31.2605, 0.2769, 0.2394



Tritanomaly

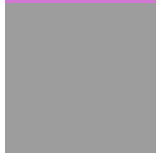
31.6672, 0.3536, 0.2796

Monochromacy



Original Color

31.8377, 0.3166, 0.2238



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

32.3509, 0.3138, 0.2835

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8377, 0.3166, 0.2238 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(210, 120, 211)` looks like.

```
.text, #text, p{  
    color:rgb(210, 120, 211)  
}
```

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(210, 120, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 120, 211) }
```

Border

The CSS property to change the border of an element to Yxy 31.8377, 0.3166, 0.2238 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(210, 120, 211) }
```

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

```
.border{ border-color:rgb(210, 120, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 120, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 120, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 120, 211);  
box-shadow:4px 4px 4px 4px rgb(210, 120,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8377, 0.3166, 0.2238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 120, 211) }
```

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

```
.background{ background-color: rgb(210,  
120, 211) }
```

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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