

Converting Colors

$Y_{xy}(31.7259, 0.3178, 0.2110)$

Have a look what the booklet for
Yxy(31.7259, 0.3178, 0.2110)
contains.

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Color

Yxy(31.7629, 0.3182, 0.2115)

Conversions

Conversions Part 1

Format	Color
Hex	DB70DB
RGB	219, 112, 219
RGB Percent	86%, 44%, 86%
CMY	0.1413, 0.5607, 0.1412
CMYK	0.00, 0.49, 0.00, 0.14
HSL	300°, 60%, 65%
HSV	300°, 49%, 86%
XYZ	47.7870, 31.7629, 70.6293
YIQ	156.1910, 29.4250, 55.9610

Conversions

Conversions Part 2

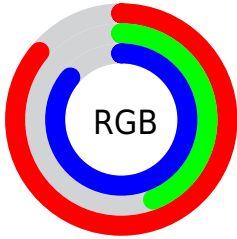
Format	Color
R _Y B	219, 112, 219
Decimal	14381275
CIE Lab	63.15, 56.43, -36.67
CIE LCh	63, 67.302, 326.985
Yxy	31.7629, 0.3182, 0.2115
Android (android.graphics.Color)	4292571355 (0xFFDB70DB)
YUV	156.1910, 30.9648, 55.0835
Hunter-Lab	56.3586, 52.7245, -34.8520

Details

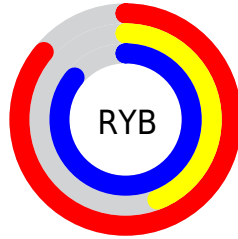
The Yxy color **31.7629, 0.3182, 0.2115** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **55.2816, 0.3055, 0.4833**, and the grayscale version is **33.1875, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.1174, 0.3167, 0.2431**, and **13.2880, 0.3167, 0.1825** is the 20% darker color. If you saturate the color by 10%, you get **27.5029, 0.3191, 0.1922**, and if you desaturate by 10%, it is **37.2009, 0.3172, 0.2336**.

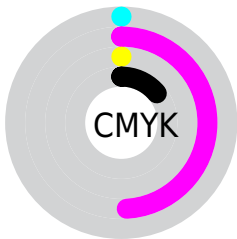
Distribution



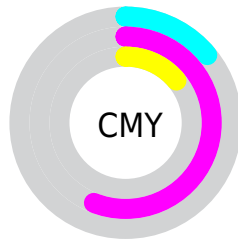
- Red (86%)
- Green (44%)
- Blue (86%)



- Red (86%)
- Yellow (44%)
- Blue (86%)



- Cyan (0%)
- Magenta (49%)
- Yellow (0%)
- Black (14%)





- Cyan (14%)
- Magenta (56%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7629, 0.3182, 0.2115 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 31.7629, 0.3182, 0.2115 by changing the saturation by 10% instead.

 31.7629, 0.3182,
0.2115


 31.7629, 0.3182,
0.2115


310.0378, 0.3177,
0.2672

 21.1805, 0.3177,
0.1987


 62.4392, 0.3185,
0.2310

 13.2560, 0.3167,
0.1829


 83.3019, 0.3185,
0.2385

 7.6051, 0.3148,
0.1631


 108.3601, 0.3184,
0.2450

 3.8433, 0.3111,
0.1377

137.9982, 0.3182,
0.2506

 1.5863, 0.3036,
0.1050

172.6006, 0.3181,
0.2556

 0.3483, 0.2918,
0.0498

212.5518, 0.3180,


 0.0000, 0.2506,

0.2599


0.0000

258.2360, 0.3178,
0.2638


 0.0000, 0.0000,
0.0000

 31.7629, 0.3182,
0.2115


 31.7629, 0.3182,
0.2115


 27.5029, 0.3191,
0.1922

 37.2009, 0.3172,
0.2336


 24.3301, 0.3198,
0.1766


 43.8906, 0.3161,
0.2576


 22.1471, 0.3204,
0.1651


 51.9048, 0.3149,
0.2825


 20.8376, 0.3207,
0.1579

 61.3093, 0.3137,
0.3074

 20.2206, 0.3208,
0.1544

 72.1658, 0.3126,
0.3318

 20.1656, 0.3209,
0.1541

 84.5320, 0.3115,
0.3550

 91.6963, 0.3110,
0.3667

 91.6972, 0.3110,
0.3667

 91.6981, 0.3110,
0.3667

Harmonies

Analogous

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



31.7629, 0.2244, 0.1826



31.7629, 0.3182, 0.2115



31.7629, 0.4283, 0.2627

Triad

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



31.7629, 0.3182, 0.2115



31.7629, 0.4619, 0.4711



31.7629, 0.1508, 0.2835

Complementary

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



31.7629, 0.3182, 0.2115



55.2816, 0.3055, 0.4833

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.



31.7629, 0.1970, 0.4003



31.7629, 0.3182, 0.2115



31.7629, 0.3758, 0.5238

Square

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



31.7629, 0.3182, 0.2115



31.7629, 0.5142, 0.3983



31.7629, 0.2793, 0.5055



31.7629, 0.1422, 0.2105

Rectangle

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



31.7629, 0.3182, 0.2115



31.7629, 0.4868, 0.3050



31.7629, 0.2793, 0.5055



31.7629, 0.1618, 0.3187

Sweetspot

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



31.7643, 0.3182, 0.2115



77.9750, 0.3145, 0.2918



20.5526, 0.2202, 0.1777



16.1072, 0.3147, 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.



31.7643, 0.3182, 0.2115



38.4843, 0.3192, 0.1911



29.4552, 0.3763, 0.2638



13.2747, 0.3138, 0.3060



11.9574, 0.3209, 0.1541



0.7747, 0.3209, 0.1541

Inverse Universe

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



27.8253, 0.4491, 0.3294



32.2832, 0.4978, 0.3295



56.7799, 0.2776, 0.4074



13.0516, 0.3292, 0.3290



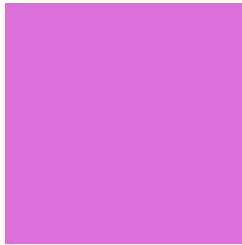
8.9300, 0.6400, 0.3300



0.5785, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 31.7629, 0.3182, 0.2115 looks on a white background.

Color Contrast Check

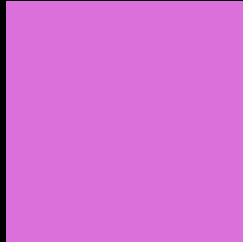
Large Text (above 18pt) WCAG AA × Fail

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 31.7629, 0.3182, 0.2115 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

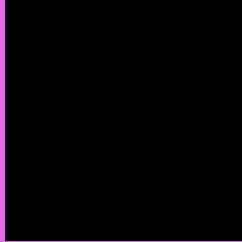
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.7629, 0.3182, 0.2115

Background



This preview shows how black text looks on a background with the Yxy color 31.7629, 0.3182, 0.2115.



This preview shows how white text looks on a background with the Yxy color 31.7629, 0.3182, 0.2115.

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

31.7629, 0.3182, 0.2115

Protanopia

32.2884, 0.2154, 0.1980

Deuteranopia

31.9550, 0.2494, 0.2431



Tritanopia

31.7110, 0.3915, 0.3165

Trichromacy



Original Color

31.7629, 0.3182, 0.2115



Protanomaly

30.5157, 0.2433, 0.1989



Deuteranomaly

30.7969, 0.2704, 0.2267



Tritanomaly

31.4260, 0.3647, 0.2741

Monochromacy



Original Color

31.7629, 0.3182, 0.2115



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

31.5945, 0.3152, 0.2758

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7629, 0.3182, 0.2115 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(219, 112, 219)` looks like.

```
.text, #text, p{  
    color:rgb(219, 112, 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(219, 112, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 112, 219) }
```

Border

The CSS property to change the border of an element to Yxy 31.7629, 0.3182, 0.2115 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(219, 112, 219) }
```

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

```
.border{ border-color:rgb(219, 112, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 112, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 112, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 112, 219);  
box-shadow:4px 4px 4px 4px rgb(219, 112,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7629, 0.3182, 0.2115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 112, 219) }
```

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

```
.background{ background-color: rgb(219,  
112, 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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