

Converting Colors

$Y_{xy}(29.0042, 0.3024, 0.2032)$

Have a look what the booklet for
Yxy(29.0042, 0.3024, 0.2032)
contains.

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Color

Yxy(29.1037, 0.3031, 0.2039)

Conversions

Conversions Part 1

Format	Color
Hex	CC6EDB
RGB	204, 110, 219
RGB Percent	80%, 43%, 86%
CMY	0.2000, 0.5686, 0.1411
CMYK	0.07, 0.50, 0.00, 0.14
HSL	292°, 60%, 65%
HSV	292°, 50%, 86%
XYZ	43.2630, 29.1037, 70.3684
YIQ	150.5320, 21.0350, 53.8270

Conversions

Conversions Part 2

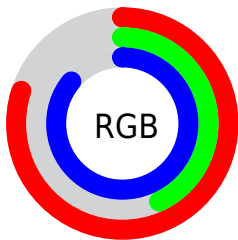
Format	Color
RYB	204, 110, 219
Decimal	13397723
CIELab	60.87, 53.27, -40.38
CIELCh	61, 66.842, 322.839
Yxy	29.1037, 0.3031, 0.2039
Android (android.graphics.Color)	4291587803 (0xFFCC6EDB)
YUV	150.5320, 33.7547, 46.8914
Hunter-Lab	53.9478, 48.7379, -39.5731

Details

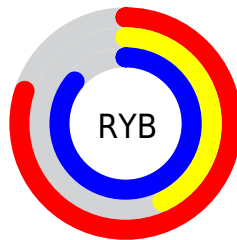
The Yxy color **29.1037, 0.3031, 0.2039** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **56.1625, 0.3144, 0.4823**, and the grayscale version is **30.5853, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.3903, 0.3168, 0.2412**, and **11.8096, 0.2955, 0.1728** is the 20% darker color. If you saturate the color by 10%, you get **24.5255, 0.3001, 0.1823**, and if you desaturate by 10%, it is **34.8605, 0.3058, 0.2280**.

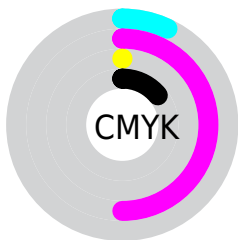
Distribution



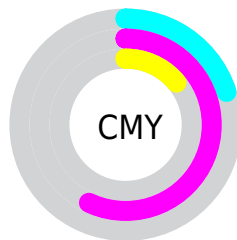
- Red (80%)
- Green (43%)
- Blue (86%)



- Red (80%)
- Yellow (43%)
- Blue (86%)



- Cyan (7%)
- Magenta (50%)
- Yellow (0%)
- Black (14%)





- Cyan (20%)
- Magenta (57%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1037, 0.3031, 0.2039 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 29.1037, 0.3031, 0.2039 by changing the saturation by 10% instead.


 29.1037, 0.3031,
0.2039


 29.1037, 0.3031,
0.2039

297.7039, 0.3105,
0.2637

 19.1593, 0.3005,
0.1901


 58.2418, 0.3064,
0.2249


 11.7854, 0.2967,
0.1731


 78.2043, 0.3075,
0.2330

 6.5977, 0.2910,
0.1517


 102.2749, 0.3083,
0.2399

 3.2118, 0.2820,
0.1247

 130.8381, 0.3089,
0.2459

 1.2433, 0.2666,
0.0901

164.2781, 0.3095,
0.2512

 0.0967, 0.2461,
0.0156

202.9796, 0.3099,


 0.0000, 0.1492,


0.2559


0.0000

247.3267, 0.3102,
0.2600

 0.0000, 0.0000,
0.0000


 29.1037, 0.3031,
0.2039


 29.1037, 0.3031,
0.2039


 24.5255, 0.3001,
0.1823


 34.8605, 0.3058,
0.2280

 21.0345, 0.2967,
0.1641


 41.8709, 0.3081,
0.2535


 18.5319, 0.2932,
0.1502


 50.2080, 0.3100,
0.2794


 16.8990, 0.2896,
0.1406


 59.9383, 0.3116,
0.3050


 15.9306, 0.2860,
0.1350

 71.1237, 0.3127,
0.3295

 15.9109, 0.2859,
0.1349

 83.8226, 0.3136,
0.3527

 92.6639, 0.3148,
0.3662

 93.1540, 0.3167,
0.3660

 93.6527, 0.3186,
0.3658

Harmonies

Analogous

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



29.1037, 0.2123, 0.1781



29.1037, 0.3031, 0.2039



29.1037, 0.4159, 0.2531

Triad

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



29.1037, 0.3031, 0.2039



29.1037, 0.4741, 0.4630



29.1037, 0.1520, 0.2964

Complementary

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



29.1037, 0.3031, 0.2039



56.1625, 0.3144, 0.4823

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.



29.1037, 0.2041, 0.4197



29.1037, 0.3031, 0.2039



29.1037, 0.3894, 0.5232

Square

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



29.1037, 0.3031, 0.2039



29.1037, 0.5212, 0.3884



29.1037, 0.2914, 0.5187



29.1037, 0.1386, 0.2153

Rectangle

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



29.1037, 0.3031, 0.2039



29.1037, 0.4803, 0.2949



29.1037, 0.2914, 0.5187



29.1037, 0.1648, 0.3344

Sweetspot

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



29.1050, 0.3031, 0.2039



76.9902, 0.3108, 0.2913



23.4453, 0.2221, 0.1949



15.8672, 0.3104, 0.2859



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.



29.1050, 0.3031, 0.2039



34.1985, 0.2998, 0.1808



29.5477, 0.3601, 0.2468



13.1791, 0.3116, 0.3058



9.4682, 0.2865, 0.1352



0.6390, 0.2924, 0.1385

Inverse Universe

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



27.6988, 0.4329, 0.3115



32.1953, 0.4760, 0.3092



56.1323, 0.2851, 0.4311



13.0806, 0.3270, 0.3258



8.9955, 0.6211, 0.3195



0.5924, 0.5830, 0.2985

Previews

White Background



This preview shows how the Yxy color 29.1037, 0.3031, 0.2039 looks on a white background.

Color Contrast Check

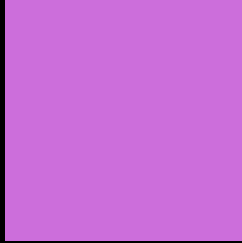
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.1037, 0.3031, 0.2039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

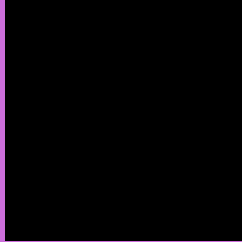
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.1037, 0.3031, 0.2039

Background



This preview shows how black text looks on a background with the Yxy color 29.1037, 0.3031, 0.2039.

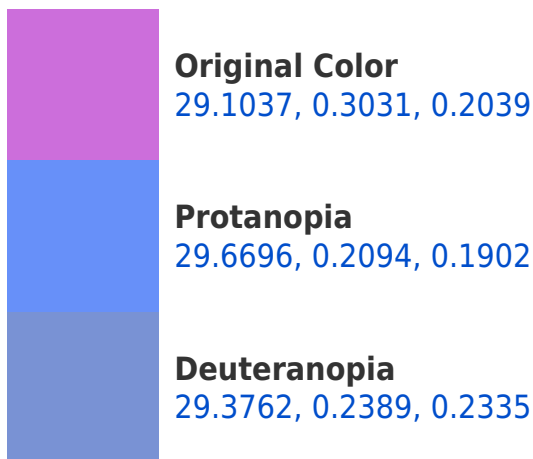


This preview shows how white text looks on a background with the Yxy color 29.1037, 0.3031, 0.2039.

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

28.9021, 0.3767, 0.3156

Trichromacy



Original Color

29.1037, 0.3031, 0.2039



Protanomaly

28.2510, 0.2343, 0.1918



Deuteranomaly

28.2607, 0.2577, 0.2180



Tritanomaly

28.6165, 0.3486, 0.2692

Monochromacy



Original Color

29.1037, 0.3031, 0.2039



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

29.2890, 0.3091, 0.2725

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1037, 0.3031, 0.2039 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(204, 110, 219)` looks like.

```
.text, #text, p{  
    color:rgb(204, 110, 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(204, 110, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 110, 219) }
```

Border

The CSS property to change the border of an element to Yxy 29.1037, 0.3031, 0.2039 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(204, 110, 219) }
```

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

```
.border{ border-color:rgb(204, 110, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 110, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 110, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 110, 219);  
box-shadow:4px 4px 4px 4px rgb(204, 110,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1037, 0.3031, 0.2039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 110, 219) }
```

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

```
.background{ background-color: rgb(204,  
110, 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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