

Converting Colors

$Y_{xy}(30.6451, 0.2995, 0.1977)$

Have a look what the booklet for
Yxy(30.6451, 0.2995, 0.1977)
contains.

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Color

Yxy(30.5106, 0.2999, 0.1976)

Conversions

Conversions Part 1

Format	Color
Hex	D26EE5
RGB	210, 110, 229
RGB Percent	82%, 43%, 90%
CMY	0.1763, 0.5687, 0.1019
CMYK	0.08, 0.52, 0.00, 0.10
HSL	290°, 70%, 66%
HSV	290°, 52%, 90%
XYZ	46.3063, 30.5106, 77.5889
YIQ	153.4660, 21.4010, 58.2090

Conversions

Conversions Part 2

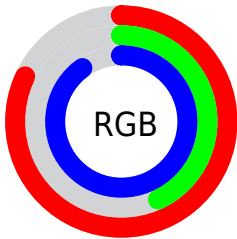
Format	Color
R _Y B	210, 110, 229
Decimal	13790949
CIE Lab	62.09, 56.83, -44.00
CIE LCh	62, 71.869, 322.252
Yxy	30.5106, 0.2999, 0.1976
Android (android.graphics.Color)	4291981029 (0xFFD26EE5)
YUV	153.4660, 37.2383, 49.5803
Hunter-Lab	55.2364, 52.9782, -44.6174

Details

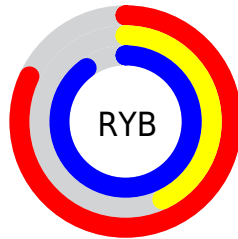
The Yxy color **30.5106, 0.2999, 0.1976** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **61.8368, 0.3158, 0.4896**, and the grayscale version is **31.8954, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.3903, 0.3168, 0.2412**, and **12.6178, 0.2926, 0.1671** is the 20% darker color. If you saturate the color by 10%, you get **25.6636, 0.2961, 0.1763**, and if you desaturate by 10%, it is **36.6491, 0.3033, 0.2216**.

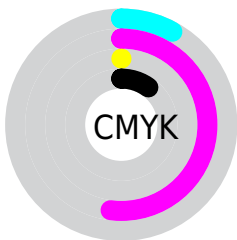
Distribution



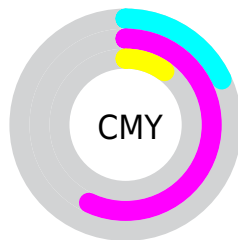
- Red (82%)
- Green (43%)
- Blue (90%)



- Red (82%)
- Yellow (43%)
- Blue (90%)



- Cyan (8%)
- Magenta (52%)
- Yellow (0%)
- Black (10%)





- Cyan (18%)
- Magenta (57%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.5106, 0.2999, 0.1976 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 30.5106, 0.2999, 0.1976 by changing the saturation by 10% instead.


 30.5106, 0.2999,
0.1976


 30.5106, 0.2999,
0.1976


304.2773, 0.3092,
0.2593

 20.2265, 0.2968,
0.1836


 60.4687, 0.3039,
0.2190


 12.5598, 0.2925,
0.1666


 80.9115, 0.3052,
0.2273

 7.1261, 0.2862,
0.1456


 105.5093, 0.3062,
0.2345

 3.5411, 0.2764,
0.1192

 134.6465, 0.3071,
0.2408

 1.4203, 0.2603,
0.0863

168.7075, 0.3077,
0.2463

 0.2316, 0.2364,
0.0294

208.0767, 0.3083,


 0.0000, 0.1733,


0.2511


0.0000

253.1385, 0.3088,
0.2555


 0.0000, 0.0000,
0.0000


 30.5106, 0.2999,
0.1976


 30.5106, 0.2999,
0.1976


 25.6636, 0.2961,
0.1763


 36.6491, 0.3033,
0.2216


 22.0036, 0.2921,
0.1585


 44.1650, 0.3062,
0.2472

 19.4162, 0.2879,
0.1451

 53.1415, 0.3087,
0.2734

 17.7624, 0.2837,
0.1362

 63.6539, 0.3108,
0.2993

 16.9303, 0.2803,
0.1318

 75.7724, 0.3124,
0.3242

■ 89.5628, 0.3137,
0.3478

■ 94.9420, 0.3156,
0.3552

■ 95.5720, 0.3179,
0.3550

■ 96.2149, 0.3202,
0.3548

Harmonies

Analogous

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



30.5106, 0.2058, 0.1715



30.5106, 0.2999, 0.1976



30.5106, 0.4193, 0.2480

Triad

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



30.5106, 0.2999, 0.1976



30.5106, 0.4816, 0.4654



30.5106, 0.1452, 0.2956

Complementary

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



30.5106, 0.2999, 0.1976



61.8368, 0.3158, 0.4896

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.



30.5106, 0.1994, 0.4281



30.5106, 0.2999, 0.1976



30.5106, 0.3928, 0.5322

Square

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



30.5106, 0.2999, 0.1976



30.5106, 0.5317, 0.3870



30.5106, 0.2906, 0.5325



30.5106, 0.1313, 0.2103

Rectangle

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



30.5106, 0.2999, 0.1976



30.5106, 0.4882, 0.2909



30.5106, 0.2906, 0.5325



30.5106, 0.1584, 0.3363

Sweetspot

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



30.5119, 0.2999, 0.1976



75.4615, 0.3100, 0.2887



24.8880, 0.2180, 0.1902



15.5588, 0.3096, 0.2833



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.



30.5119, 0.2999, 0.1976



32.5396, 0.2960, 0.1755



31.4963, 0.3609, 0.2413



14.4928, 0.3112, 0.3057



9.7223, 0.2810, 0.1322



0.7498, 0.2872, 0.1356

Inverse Universe

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



29.3913, 0.4384, 0.3079



31.1987, 0.4801, 0.3055



61.5522, 0.2853, 0.4398



14.4053, 0.3267, 0.3253



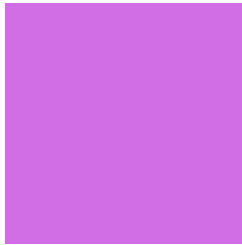
9.6103, 0.6169, 0.3172



0.7216, 0.5802, 0.2970

Previews

White Background



This preview shows how the Yxy color 30.5106, 0.2999, 0.1976 looks on a white background.

Color Contrast Check

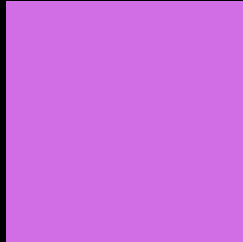
Large Text (above 18pt) WCAG AA × Fail

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 30.5106, 0.2999, 0.1976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

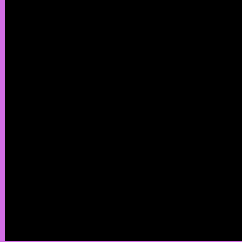
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.5106, 0.2999, 0.1976

Background



This preview shows how black text looks on a background with the Yxy color 30.5106, 0.2999, 0.1976.



This preview shows how white text looks on a background with the Yxy color 30.5106, 0.2999, 0.1976.

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

30.5106, 0.2999, 0.1976

Protanopia

31.0305, 0.2085, 0.1892

Deuteranopia

30.7619, 0.2332, 0.2265



Tritanopia

30.4613, 0.3777, 0.3159

Trichromacy



Original Color

30.5106, 0.2999, 0.1976



Protanomaly

29.5437, 0.2324, 0.1882



Deuteranomaly

29.5365, 0.2528, 0.2110



Tritanomaly

30.0279, 0.3469, 0.2657

Monochromacy



Original Color

30.5106, 0.2999, 0.1976



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

30.2262, 0.3083, 0.2682

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.5106, 0.2999, 0.1976 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, 110, 229)` looks like.

```
.text, #text, p{  
    color:rgb(210, 110, 229)  
}
```

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, 110, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 110, 229) }
```

Border

The CSS property to change the border of an element to Yxy 30.5106, 0.2999, 0.1976 is called "border". The border property can be set on classes, ids or directly on the HTML element.

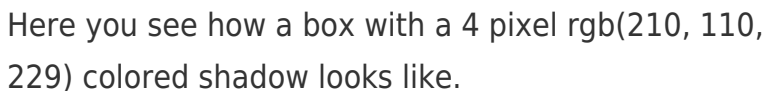
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(210, 110, 229) }
```

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

```
.border{ border-color:rgb(210, 110, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(210, 110, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 110, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 110, 229);  
box-shadow:4px 4px 4px 4px rgb(210, 110,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 30.5106, 0.2999, 0.1976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 110, 229) }
```

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

```
.background{ background-color: rgb(210,  
110, 229) }
```

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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