

Converting Colors

$Y_{xy}(29.8048, 0.3161, 0.2120)$

Have a look what the booklet for
Yxy(29.8048, 0.3161, 0.2120)
contains.

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Color

Yxy(29.8048, 0.3161, 0.2120)

Conversions

Conversions Part 1

Format	Color
Hex	D36ED5
RGB	211, 110, 213
RGB Percent	83%, 43%, 84%
CMY	0.1727, 0.5685, 0.1648
CMYK	0.01, 0.48, 0.00, 0.16
HSL	299°, 55%, 63%
HSV	299°, 48%, 84%
XYZ	44.4401, 29.8048, 66.3438
YIQ	151.9410, 27.1330, 53.4450

Conversions

Conversions Part 2

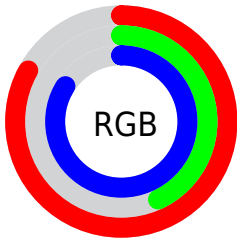
Format	Color
R _Y B	211, 110, 213
Decimal	13856469
CIE Lab	61.49, 54.09, -35.96
CIE LCh	61, 64.949, 326.382
Yxy	29.8048, 0.3161, 0.2120
Android (android.graphics.Color)	4292046549 (0xFFD36ED5)
YUV	151.9410, 30.1021, 51.7947
Hunter-Lab	54.5938, 49.7624, -33.8351

Details

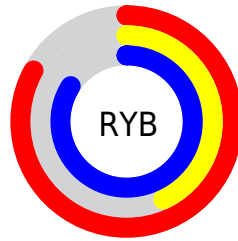
The Yxy color **29.8048, 0.3161, 0.2120** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **52.1495, 0.3068, 0.4806**, and the grayscale version is **31.2347, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.3903, 0.3168, 0.2412**, and **12.1670, 0.3137, 0.1825** is the 20% darker color. If you saturate the color by 10%, you get **25.6866, 0.3165, 0.1922**, and if you desaturate by 10%, it is **35.0301, 0.3156, 0.2345**.

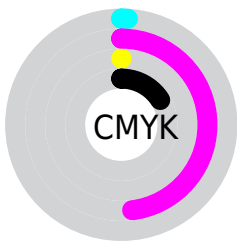
Distribution



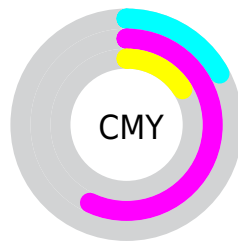
- Red (83%)
- Green (43%)
- Blue (84%)



- Red (83%)
- Yellow (43%)
- Blue (84%)



- Cyan (1%)
- Magenta (48%)
- Yellow (0%)
- Black (16%)





- Cyan (17%)
- Magenta (57%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.8048, 0.3161, 0.2120 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 29.8048, 0.3161, 0.2120 by changing the saturation by 10% instead.


 29.8048, 0.3161,
0.2120


 29.8048, 0.3161,
0.2120

300.9935, 0.3166,
0.2682


 19.6905, 0.3153,
0.1989


 59.3533, 0.3168,
0.2318


 12.1702, 0.3139,
0.1827


 79.5564, 0.3169,
0.2394

 6.8597, 0.3115,
0.1622


 103.8910, 0.3169,
0.2459

 3.3745, 0.3069,
0.1358

 132.7418, 0.3169,
0.2516

 1.3303, 0.2978,
0.1014

166.4930, 0.3168,
0.2565

 0.1644, 0.2871,
0.0286

205.5291, 0.3168,

 0.0000, 0.2109,

0.2609

0.0000

250.2345, 0.3167,
0.2647

■ 0.0000, 0.0000,
0.0000

■ 29.8048, 0.3161,
0.2120

■ 29.8048, 0.3161,
0.2120

■ 25.6866, 0.3165,
0.1922

■ 35.0301, 0.3156,
0.2345

■ 22.5913, 0.3166,
0.1759

■ 41.4311, 0.3149,
0.2587

■ 20.4287, 0.3166,
0.1638


■ 49.0753, 0.3142,
0.2837

■ 19.0914, 0.3164,
0.1560

■ 58.0242, 0.3134,
0.3087

■ 18.4191, 0.3161,
0.1520


■ 68.3349, 0.3126,
0.3330

 18.3320, 0.3160,
0.1515

 80.0614, 0.3118,
0.3561

 90.5999, 0.3112,
0.3736

 90.6625, 0.3114,
0.3736

 90.7251, 0.3117,
0.3735

Harmonies

Analogous

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



29.8048, 0.2240, 0.1838



29.8048, 0.3161, 0.2120



29.8048, 0.4247, 0.2624

Triad

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



29.8048, 0.3161, 0.2120



29.8048, 0.4619, 0.4685



29.8048, 0.1532, 0.2863

Complementary

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



29.8048, 0.3161, 0.2120



52.1495, 0.3068, 0.4806

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.



29.8048, 0.1999, 0.4017



29.8048, 0.3161, 0.2120



29.8048, 0.3774, 0.5207

Square

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



29.8048, 0.3161, 0.2120



29.8048, 0.5123, 0.3966



29.8048, 0.2819, 0.5039



29.8048, 0.1439, 0.2130

Rectangle

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



29.8048, 0.3161, 0.2120



29.8048, 0.4830, 0.3042



29.8048, 0.2819, 0.5039



29.8048, 0.1644, 0.3213

Sweetspot

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



29.8061, 0.3161, 0.2120



77.8357, 0.3139, 0.2917



20.0345, 0.2219, 0.1822



16.0732, 0.3141, 0.2864



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.



29.8061, 0.3161, 0.2120



38.4734, 0.3165, 0.1917



28.0159, 0.3730, 0.2626



12.6198, 0.3135, 0.3060



11.2066, 0.3161, 0.1515



0.6799, 0.3170, 0.1520

Inverse Universe

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



26.4724, 0.4439, 0.3269



32.9217, 0.4896, 0.3268



53.3638, 0.2789, 0.4088



12.4247, 0.3288, 0.3286



8.6484, 0.6378, 0.3287



0.5230, 0.6307, 0.3248

Previews

White Background



This preview shows how the Yxy color 29.8048, 0.3161, 0.2120 looks on a white background.

Color Contrast Check

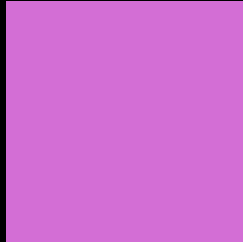
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8048, 0.3161, 0.2120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

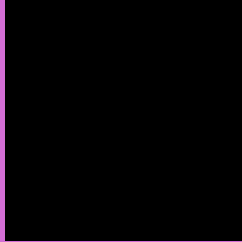
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.8048, 0.3161, 0.2120

Background



This preview shows how black text looks on a background with the Yxy color 29.8048, 0.3161, 0.2120.

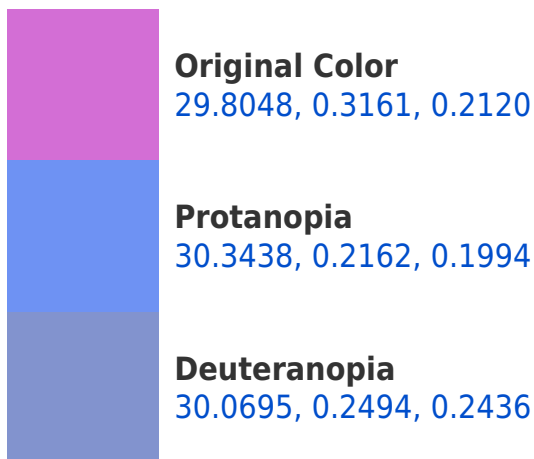


This preview shows how white text looks on a background with the Yxy color 29.8048, 0.3161, 0.2120.

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

29.6908, 0.3874, 0.3161

Trichromacy



Original Color

29.8048, 0.3161, 0.2120



Protanomaly

28.8043, 0.2432, 0.2002



Deuteranomaly

29.0246, 0.2693, 0.2277



Tritanomaly

29.3705, 0.3613, 0.2735

Monochromacy



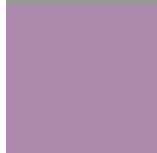
Original Color

29.8048, 0.3161, 0.2120



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

29.8315, 0.3141, 0.2771

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8048, 0.3161, 0.2120 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(211, 110, 213)` looks like.

```
.text, #text, p{  
    color:rgb(211, 110, 213)  
}
```

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(211, 110, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 110, 213) }
```

Border

The CSS property to change the border of an element to Yxy 29.8048, 0.3161, 0.2120 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(211, 110, 213) }
```

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

```
.border{ border-color:rgb(211, 110, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 110, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 110, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 110, 213);  
box-shadow:4px 4px 4px 4px rgb(211, 110,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8048, 0.3161, 0.2120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 110, 213) }
```

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

```
.background{ background-color: rgb(211,  
110, 213) }
```

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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