

Converting Colors

$Y_{xy}(29.6526, 0.3209, 0.1960)$

Have a look what the booklet for
Yxy(29.6526, 0.3209, 0.1960)
contains.

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Color

Yxy(29.7010, 0.3210, 0.1964)

Conversions

Conversions Part 1

Format	Color
Hex	E160DF
RGB	225, 96, 223
RGB Percent	88%, 38%, 87%
CMY	0.1178, 0.6234, 0.1255
CMYK	0.00, 0.57, 0.01, 0.12
HSL	301°, 68%, 63%
HSV	301°, 57%, 88%
XYZ	48.5439, 29.7010, 72.9822
YIQ	149.0490, 36.1170, 66.8450

Conversions

Conversions Part 2

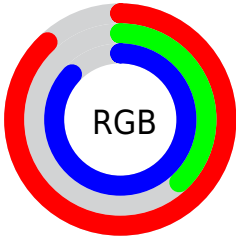
Format	Color
R _Y B	225, 96, 223
Decimal	14770399
CIE Lab	61.40, 66.07, -41.59
CIE LCh	61, 78.071, 327.810
Yxy	29.7010, 0.3210, 0.1964
Android (android.graphics.Color)	4292960479 (0xFFE160DF)
YUV	149.0490, 36.4578, 66.6090
Hunter-Lab	54.4986, 63.6238, -41.2496

Details

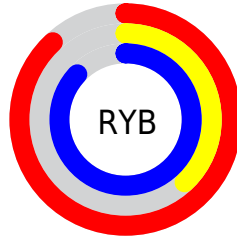
The Yxy color **29.7010, 0.3210, 0.1964** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **57.2014, 0.3032, 0.5109**, and the grayscale version is **29.9142, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.2625, 0.3174, 0.2302**, and **12.1496, 0.3204, 0.1658** is the 20% darker color. If you saturate the color by 10%, you get **26.1476, 0.3222, 0.1803**, and if you desaturate by 10%, it is **34.4315, 0.3196, 0.2160**.

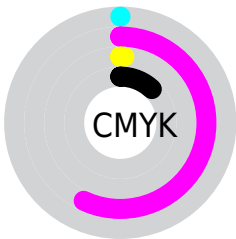
Distribution



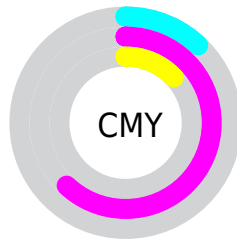
- Red (88%)
- Green (38%)
- Blue (87%)



- Red (88%)
- Yellow (38%)
- Blue (87%)



- Cyan (0%)
- Magenta (57%)
- Yellow (1%)
- Black (12%)





- Cyan (12%)
- Magenta (62%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.7010, 0.3210, 0.1964 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 29.7010, 0.3210, 0.1964 by changing the saturation by 10% instead.


 29.7010, 0.3210,
0.1964


 29.7010, 0.3210,
0.1964


300.5083, 0.3197,
0.2586

 19.6117, 0.3205,
0.1823


 59.1890, 0.3212,
0.2179

 12.1131, 0.3194,
0.1652


 79.3565, 0.3210,
0.2263

 6.8208, 0.3173,
0.1440


 103.6523, 0.3208,
0.2336

 3.3503, 0.3130,
0.1175

 132.4607, 0.3206,
0.2399

 1.3172, 0.3043,
0.0844

166.1661, 0.3204,
0.2454

 0.1545, 0.2931,
0.0212

205.1529, 0.3202,


 0.0000, 0.2447,


0.2503

0.0000


249.8055, 0.3199,
0.2547


 0.0000, 0.0000,
0.0000


 29.7010, 0.3210,
0.1964


 29.7010, 0.3210,
0.1964


 26.1476, 0.3222,
0.1803

 34.4315, 0.3196,
0.2160


 23.6640, 0.3232,
0.1683


 40.4260, 0.3182,
0.2383

 22.1306, 0.3241,
0.1606

 47.7679, 0.3167,
0.2622

 21.3867, 0.3247,
0.1570

 56.5325, 0.3152,
0.2869

 21.2502, 0.3248,
0.1563

 66.7893, 0.3137,
0.3115

■ 78.6035, 0.3124,
0.3353

■ 92.0362, 0.3111,
0.3580

■ 92.9984, 0.3108,
0.3591

■ 93.0172, 0.3106,
0.3588

Harmonies

Analogous

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



29.7010, 0.2126, 0.1639



29.7010, 0.3210, 0.1964



29.7010, 0.4521, 0.2532

Triad

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



29.7010, 0.3210, 0.1964



29.7010, 0.4752, 0.4868



29.7010, 0.1274, 0.2688

Complementary

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



29.7010, 0.3210, 0.1964



57.2014, 0.3032, 0.5109

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.



29.7010, 0.1748, 0.4090



29.7010, 0.3210, 0.1964



29.7010, 0.3745, 0.5573

Square

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



29.7010, 0.3210, 0.1964



29.7010, 0.5425, 0.4012



29.7010, 0.2657, 0.5419



29.7010, 0.1208, 0.1895

Rectangle

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



29.7010, 0.3210, 0.1964



29.7010, 0.5202, 0.2994



29.7010, 0.2657, 0.5419



29.7010, 0.1381, 0.3096

Sweetspot

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



29.7023, 0.3210, 0.1964



75.3496, 0.3151, 0.2873



16.2966, 0.2017, 0.1454



15.5885, 0.3154, 0.2823



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.



29.7023, 0.3210, 0.1964



33.9074, 0.3225, 0.1773



26.9306, 0.3962, 0.2564



13.9318, 0.3140, 0.3063



12.2516, 0.3247, 0.1563



0.8504, 0.3241, 0.1559

Inverse Universe

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



29.7023, 0.3210, 0.1964



33.9074, 0.3225, 0.1773



58.8750, 0.2727, 0.4210



13.9318, 0.3140, 0.3063



12.2516, 0.3247, 0.1563



0.8504, 0.3241, 0.1559

Previews

White Background



This preview shows how the Yxy color 29.7010, 0.3210, 0.1964 looks on a white background.

Color Contrast Check

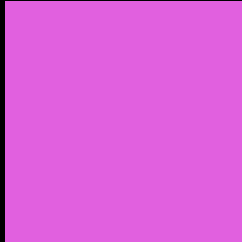
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7010, 0.3210, 0.1964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

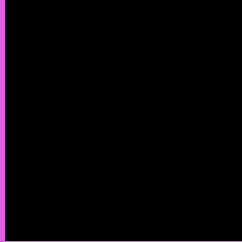
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.7010, 0.3210, 0.1964

Background



This preview shows how black text looks on a background with the Yxy color 29.7010, 0.3210, 0.1964.

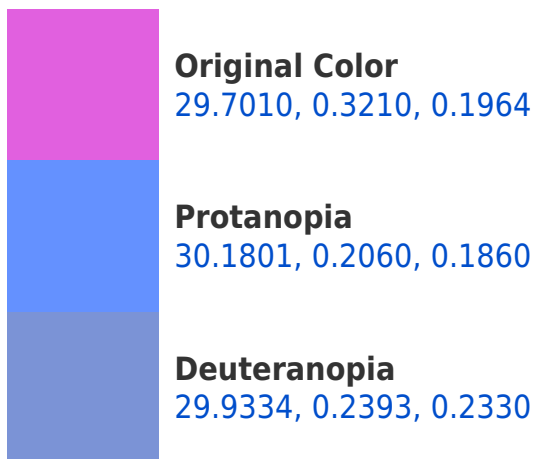


This preview shows how white text looks on a background with the Yxy color 29.7010, 0.3210, 0.1964.

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

29.5826, 0.4151, 0.3182

Trichromacy



Original Color

29.7010, 0.3210, 0.1964



Protanomaly

27.6696, 0.2341, 0.1828



Deuteranomaly

27.9217, 0.2635, 0.2117



Tritanomaly

29.1741, 0.3794, 0.2673

Monochromacy



Original Color

29.7010, 0.3210, 0.1964



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

28.4470, 0.3168, 0.2654

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7010, 0.3210, 0.1964 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(225, 96, 223)` looks like.

```
.text, #text, p{  
    color:rgb(225, 96, 223)  
}
```

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(225, 96, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 96, 223) }
```

Border

The CSS property to change the border of an element to Yxy 29.7010, 0.3210, 0.1964 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(225, 96, 223) }
```

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

```
.border{ border-color:rgb(225, 96, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 96, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 96, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 96, 223);  
box-shadow:4px 4px 4px 4px rgb(225, 96,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7010, 0.3210, 0.1964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 96, 223) }
```

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

```
.background{ background-color: rgb(225, 96,  
223) }
```

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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