

Converting Colors

$Y_{xy}(29.2855, 0.3104, 0.2149)$

Have a look what the booklet for
Yxy(29.2855, 0.3104, 0.2149)
contains.

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Color

Yxy(29.1599, 0.3107, 0.2149)

Conversions

Conversions Part 1

Format	Color
Hex	CB71D2
RGB	203, 113, 210
RGB Percent	80%, 44%, 82%
CMY	0.2040, 0.5568, 0.1765
CMYK	0.03, 0.46, 0.00, 0.18
HSL	296°, 52%, 63%
HSV	296°, 46%, 82%
XYZ	42.1591, 29.1599, 64.3716
YIQ	150.9680, 22.5030, 49.2470

Conversions

Conversions Part 2

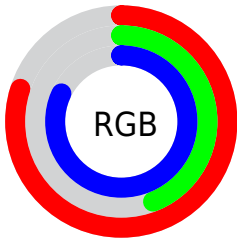
Format	Color
R _{YB}	203, 113, 210
Decimal	13332946
CIE _{Lab}	60.92, 49.76, -35.23
CIE _{LCh}	61, 60.967, 324.697
Y _{xy}	29.1599, 0.3107, 0.2149
Android (android.graphics.Color)	4291523026 (0xFFFCB71D2)
YUV	150.9680, 29.1028, 45.6321
Hunter-Lab	53.9999, 44.8595, -32.8778

Details

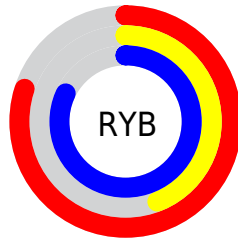
The Yxy color **29.1599, 0.3107, 0.2149** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **51.2770, 0.3105, 0.4713**, and the grayscale version is **30.8012, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.1174, 0.3167, 0.2431**, and **11.8013, 0.3075, 0.1855** is the 20% darker color. If you saturate the color by 10%, you get **24.7917, 0.3096, 0.1935**, and if you desaturate by 10%, it is **34.6167, 0.3115, 0.2386**.

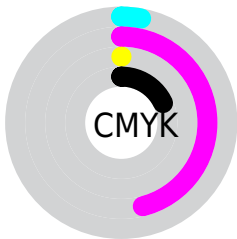
Distribution



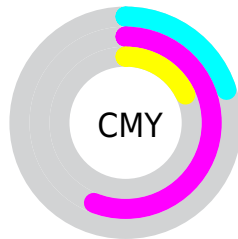
- Red (80%)
- Green (44%)
- Blue (82%)



- Red (80%)
- Yellow (44%)
- Blue (82%)



- Cyan (3%)
- Magenta (46%)
- Yellow (0%)
- Black (18%)





- Cyan (20%)
- Magenta (56%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.1599, 0.3107, 0.2149 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 29.1599, 0.3107, 0.2149 by changing the saturation by 10% instead.


 29.1599, 0.3107,
0.2149


 29.1599, 0.3107,
0.2149


297.9687, 0.3138,
0.2702


 19.2018, 0.3093,
0.2019


 58.3310, 0.3123,
0.2345

 11.8162, 0.3070,
0.1856


 78.3129, 0.3128,
0.2420

 6.6186, 0.3034,
0.1650


 102.4048, 0.3131,
0.2484

 3.2248, 0.2973,
0.1383

130.9911, 0.3134,
0.2539

 1.2502, 0.2858,
0.1031

164.4563, 0.3136,
0.2588

 0.1021, 0.2731,
0.0199

203.1846, 0.3137,


 0.0000, 0.1537,


0.2630

0.0000


247.5606, 0.3138,
0.2668


 0.0000, 0.0000,
0.0000


 29.1599, 0.3107,
0.2149


 29.1599, 0.3107,
0.2149

 24.7917, 0.3096,
0.1935


 34.6167, 0.3115,
0.2386


 21.4325, 0.3083,
0.1753


 41.2268, 0.3121,
0.2636


 18.9979, 0.3068,
0.1611


 49.0545, 0.3125,
0.2890

 17.3883, 0.3051,
0.1513

 58.1581, 0.3127,
0.3140


 16.4783, 0.3034,
0.1457


 68.5921, 0.3127,
0.3381

 16.2265, 0.3027,
0.1441

 80.4081, 0.3126,
0.3607

 90.4102, 0.3127,
0.3769

 90.6395, 0.3136,
0.3768

 90.8709, 0.3146,
0.3766

Harmonies

Analogous

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



29.1599, 0.2244, 0.1891



29.1599, 0.3107, 0.2149



29.1599, 0.4134, 0.2626

Triad

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



29.1599, 0.3107, 0.2149



29.1599, 0.4600, 0.4601



29.1599, 0.1618, 0.2947

Complementary

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



29.1599, 0.3107, 0.2149



51.2770, 0.3105, 0.4713

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.



29.1599, 0.2094, 0.4042



29.1599, 0.3107, 0.2149



29.1599, 0.3810, 0.5095

Square

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



29.1599, 0.3107, 0.2149



29.1599, 0.5041, 0.3918



29.1599, 0.2897, 0.4963



29.1599, 0.1504, 0.2217

Rectangle

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



29.1599, 0.3107, 0.2149



29.1599, 0.4701, 0.3027



29.1599, 0.2897, 0.4963



29.1599, 0.1735, 0.3285

Sweetspot

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



29.1612, 0.3107, 0.2149



78.8129, 0.3126, 0.2941



21.8659, 0.2279, 0.1970



16.2478, 0.3125, 0.2886



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.



29.1612, 0.3107, 0.2149



38.8095, 0.3097, 0.1946



28.4030, 0.3632, 0.2598



11.9637, 0.3126, 0.3060



9.9179, 0.3029, 0.1442



0.5679, 0.3064, 0.1462

Inverse Universe

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



26.8735, 0.4280, 0.3206



34.9427, 0.4665, 0.3194



51.9144, 0.2828, 0.4119



11.8219, 0.3279, 0.3274



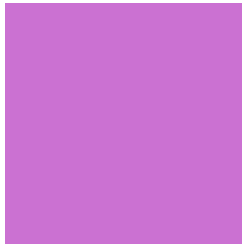
8.3848, 0.6315, 0.3253



0.4738, 0.6054, 0.3109

Previews

White Background



This preview shows how the Yxy color 29.1599, 0.3107, 0.2149 looks on a white background.

Color Contrast Check

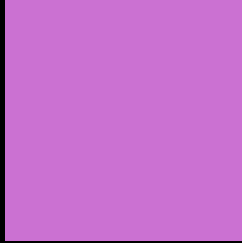
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.1599, 0.3107, 0.2149 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

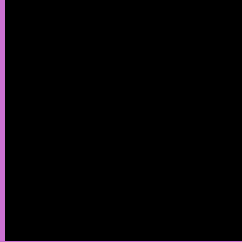
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.1599, 0.3107, 0.2149

Background



This preview shows how black text looks on a background with the Yxy color 29.1599, 0.3107, 0.2149.



This preview shows how white text looks on a background with the Yxy color 29.1599, 0.3107, 0.2149.

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

29.1599, 0.3107, 0.2149

Protanopia

29.4474, 0.2199, 0.2036

Deuteranopia

29.5845, 0.2497, 0.2444



Tritanopia

29.0339, 0.3778, 0.3156

Trichromacy



Original Color

29.1599, 0.3107, 0.2149



Protanomaly

28.3409, 0.2448, 0.2044



Deuteranomaly

28.5743, 0.2689, 0.2303



Tritanomaly

28.7528, 0.3519, 0.2742

Monochromacy



Original Color

29.1599, 0.3107, 0.2149



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

29.4159, 0.3129, 0.2792

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1599, 0.3107, 0.2149 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(203, 113, 210)` looks like.

```
.text, #text, p{  
    color:rgb(203, 113, 210)  
}
```

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(203, 113, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 113, 210) }
```

Border

The CSS property to change the border of an element to Yxy 29.1599, 0.3107, 0.2149 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(203, 113, 210) }
```

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

```
.border{ border-color:rgb(203, 113, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 113, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 113, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 113, 210);  
box-shadow:4px 4px 4px 4px rgb(203, 113,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1599, 0.3107, 0.2149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 113, 210) }
```

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

```
.background{ background-color: rgb(203,  
113, 210) }
```

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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