

Converting Colors

$Y_{xy}(30.2900, 0.2869, 0.2027)$

Have a look what the booklet for
Yxy(30.2900, 0.2869, 0.2027)
contains.

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Color

Yxy(30.3418, 0.2873, 0.2029)

Conversions

Conversions Part 1

Format	Color
Hex	C377E3
RGB	195, 119, 227
RGB Percent	76%, 47%, 89%
CMY	0.2353, 0.5333, 0.1100
CMYK	0.14, 0.48, 0.00, 0.11
HSL	282°, 66%, 68%
HSV	282°, 48%, 89%
XYZ	42.9630, 30.3418, 76.2358
YIQ	154.0360, 10.6280, 49.7000

Conversions

Conversions Part 2

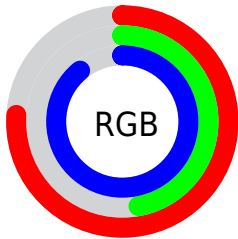
Format	Color
RYB	195, 119, 227
Decimal	12810211
CIELab	61.95, 47.74, -43.20
CIELCh	62, 64.388, 317.859
Yxy	30.3418, 0.2873, 0.2029
Android (android.graphics.Color)	4291000291 (0xFFC377E3)
YUV	154.0360, 35.9713, 35.9254
Hunter-Lab	55.0834, 42.8275, -43.4994

Details

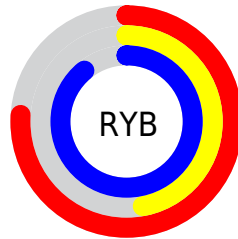
The Yxy color **30.3418, 0.2873, 0.2029** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **62.8252, 0.3258, 0.4700**, and the grayscale version is **32.1687, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.9898, 0.3149, 0.2484**, and **12.4436, 0.2766, 0.1721** is the 20% darker color. If you saturate the color by 10%, you get **24.6949, 0.2798, 0.1777**, and if you desaturate by 10%, it is **37.3212, 0.2941, 0.2298**.

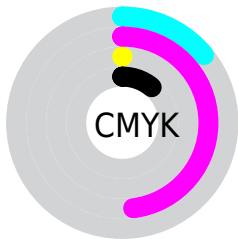
Distribution



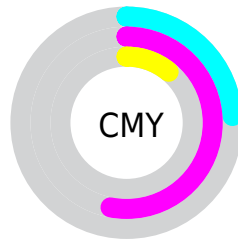
- Red (76%)
- Green (47%)
- Blue (89%)



- Red (76%)
- Yellow (47%)
- Blue (89%)



- Cyan (14%)
- Magenta (48%)
- Yellow (0%)
- Black (11%)





- Cyan (24%)
- Magenta (53%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.3418, 0.2873, 0.2029 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 30.3418, 0.2873, 0.2029 by changing the saturation by 10% instead.


 30.3418, 0.2873,
0.2029


 30.3418, 0.2873,
0.2029


303.4944, 0.3027,
0.2629


 20.0982, 0.2828,
0.1891


 60.2023, 0.2934,
0.2239

 12.4664, 0.2766,
0.1722


 80.5879, 0.2956,
0.2320

 7.0622, 0.2680,
0.1511


 105.1231, 0.2973,
0.2390

 3.5010, 0.2551,
0.1245

134.1920, 0.2988,
0.2450

 1.3986, 0.2349,
0.0908

168.1793, 0.3000,
0.2503

 0.2157, 0.2053,
0.0297

207.4692, 0.3010,


 0.0000, 0.1126,


0.2550


0.0000


252.4461, 0.3019,
0.2592


 0.0000, 0.0000,
0.0000


 30.3418, 0.2873,
0.2029


 30.3418, 0.2873,
0.2029


 24.6949, 0.2798,
0.1777

 37.3212, 0.2941,
0.2298

 20.2830, 0.2719,
0.1555


 45.7140, 0.3002,
0.2572

 17.0009, 0.2638,
0.1372


 55.5989, 0.3054,
0.2843


 14.7237, 0.2558,
0.1237

 67.0477, 0.3099,
0.3103


 13.2832, 0.2481,
0.1148


 80.1274, 0.3136,
0.3348

 12.9934, 0.2463,
0.1130

 94.7801, 0.3166,
0.3573

 95.9477, 0.3209,
0.3569

 97.1589, 0.3252,
0.3566

 98.3238, 0.3292,
0.3562

Harmonies

Analogous

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



30.3418, 0.2055, 0.1822



30.3418, 0.2873, 0.2029



30.3418, 0.3935, 0.2473

Triad

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



30.3418, 0.2873, 0.2029



30.3418, 0.4791, 0.4477



30.3418, 0.1643, 0.3162

Complementary

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



30.3418, 0.2873, 0.2029



62.8252, 0.3258, 0.4700

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.



30.3418, 0.2216, 0.4344



30.3418, 0.2873, 0.2029



30.3418, 0.4028, 0.5082

Square

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



30.3418, 0.2873, 0.2029



30.3418, 0.5140, 0.3762



30.3418, 0.3093, 0.5154



30.3418, 0.1449, 0.2305

Rectangle

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



30.3418, 0.2873, 0.2029



30.3418, 0.4588, 0.2866



30.3418, 0.3093, 0.5154



30.3418, 0.1791, 0.3543

Sweetspot

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



30.3431, 0.2873, 0.2029



77.3499, 0.3070, 0.2935



31.7282, 0.2306, 0.2244



15.8884, 0.3060, 0.2878



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.



30.3431, 0.2873, 0.2029



32.2887, 0.2800, 0.1782



33.9470, 0.3397, 0.2338



14.3898, 0.3091, 0.3055



7.6438, 0.2474, 0.1136



0.6123, 0.2584, 0.1197

Inverse Universe

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



31.7548, 0.4034, 0.2922



34.6259, 0.4337, 0.2861



60.7505, 0.2946, 0.4491



14.4379, 0.3246, 0.3221



9.7799, 0.5770, 0.2953



0.7386, 0.5354, 0.2723

Previews

White Background



This preview shows how the Yxy color 30.3418, 0.2873, 0.2029 looks on a white background.

Color Contrast Check

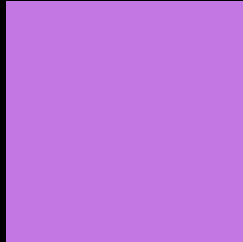
Large Text (above 18pt) WCAG AA × Fail

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 30.3418, 0.2873, 0.2029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

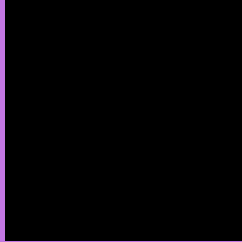
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.3418, 0.2873, 0.2029

Background



This preview shows how black text looks on a background with the Yxy color 30.3418, 0.2873, 0.2029.



This preview shows how white text looks on a background with the Yxy color 30.3418, 0.2873, 0.2029.

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

30.3418, 0.2873, 0.2029

Protanopia

30.8966, 0.2110, 0.1929

Deuteranopia

30.6373, 0.2331, 0.2274



Tritanopia

30.3824, 0.3522, 0.3151

Trichromacy



Original Color

30.3418, 0.2873, 0.2029



Protanomaly

29.7054, 0.2317, 0.1941



Deuteranomaly

29.7077, 0.2498, 0.2155



Tritanomaly

29.9717, 0.3264, 0.2677

Monochromacy



Original Color

30.3418, 0.2873, 0.2029



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

30.8210, 0.3031, 0.2730

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3418, 0.2873, 0.2029 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(195, 119, 227)` looks like.

```
.text, #text, p{  
    color:rgb(195, 119, 227)  
}
```

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(195, 119, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 119, 227) }
```

Border

The CSS property to change the border of an element to Yxy 30.3418, 0.2873, 0.2029 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(195, 119, 227) }
```

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

```
.border{ border-color:rgb(195, 119, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 119, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 119, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 119, 227);  
box-shadow:4px 4px 4px 4px rgb(195, 119,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 30.3418, 0.2873, 0.2029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 119, 227) }
```

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

```
.background{ background-color: rgb(195,  
119, 227) }
```

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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