

Converting Colors

$Y_{xy}(26.2840, 0.2836, 0.1874)$

Have a look what the booklet for
Yxy(26.2840, 0.2836, 0.1874)
contains.

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Color

Yxy(26.2840, 0.2836, 0.1874)

Conversions

Conversions Part 1

Format	Color
Hex	BE68E1
RGB	190, 104, 225
RGB Percent	75%, 41%, 88%
CMY	0.2548, 0.5922, 0.1177
CMYK	0.16, 0.54, 0.00, 0.12
HSL	283°, 67%, 65%
HSV	283°, 54%, 88%
XYZ	39.7766, 26.2840, 74.1955
YIQ	143.5080, 12.4150, 55.8630

Conversions

Conversions Part 2

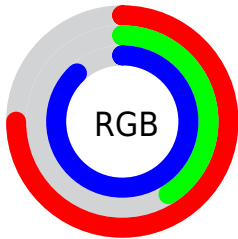
Format	Color
R _Y B	190, 104, 225
Decimal	12478689
CIE Lab	58.31, 53.71, -47.88
CIE LCh	58, 71.957, 318.284
Yxy	26.2840, 0.2836, 0.1874
Android (android.graphics.Color)	4290668769 (0xFFBE68E1)
YUV	143.5080, 40.1756, 40.7735
Hunter-Lab	51.2679, 48.7718, -49.9176

Details

The Yxy color **26.2840, 0.2836, 0.1874** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **60.3241, 0.3257, 0.4904**, and the grayscale version is **27.5151, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.6302, 0.3114, 0.2330**, and **10.3006, 0.2711, 0.1536** is the 20% darker color. If you saturate the color by 10%, you get **21.5255, 0.2760, 0.1641**, and if you desaturate by 10%, it is **32.2899, 0.2906, 0.2132**.

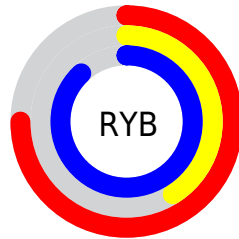
Distribution



Red (75%)

Green (41%)

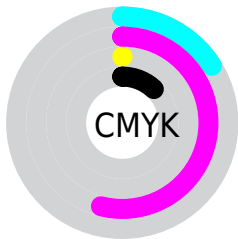
Blue (88%)



Red (75%)

Yellow (41%)

Blue (88%)

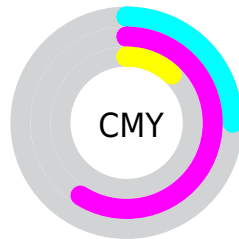


Cyan (16%)

Magenta (54%)

Yellow (0%)

Black (12%)



Cyan (25%)


Magenta (59%)


Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.2840, 0.2836, 0.1874 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 26.2840, 0.2836, 0.1874 by changing the saturation by 10% instead.

 26.2840, 0.2836,
0.1874


 26.2840, 0.2836,
0.1874


284.1734, 0.3017,
0.2549

 17.0362, 0.2781,
0.1720


 53.7328, 0.2909,
0.2109

 10.2603, 0.2707,
0.1532


 72.7025, 0.2934,
0.2201

 5.5719, 0.2601,
0.1301


 95.6817, 0.2955,
0.2279

 2.5866, 0.2442,
0.1014

 123.0548, 0.2972,
0.2348

 0.9199, 0.2193,
0.0667

155.2061, 0.2986,
0.2407

 0.0000, 0.1835,
0.0000

192.5201, 0.2998,


 0.0000, 0.0339,


0.2460


0.0000


235.3810, 0.3008,
0.2507


 0.0000, 0.0000,
0.0000


 26.2840, 0.2836,
0.1874


 26.2840, 0.2836,
0.1874

 21.5255, 0.2760,
0.1641


 32.2899, 0.2906,
0.2132


 17.9123, 0.2682,
0.1443


 39.6280, 0.2970,
0.2403


 15.3310, 0.2603,
0.1290

 48.3793, 0.3026,
0.2677

 13.6431, 0.2526,
0.1186

 58.6173, 0.3074,
0.2944

 12.9049, 0.2480,
0.1140

 70.4105, 0.3114,
0.3198

■ 83.8229, 0.3147,
0.3436

■ 94.7074, 0.3179,
0.3593

■ 95.8377, 0.3220,
0.3589

■ 97.0089, 0.3262,
0.3586

Harmonies

Analogous

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



26.2840, 0.1914, 0.1642



26.2840, 0.2836, 0.1874



26.2840, 0.4079, 0.2363

Triad

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



26.2840, 0.2836, 0.1874



26.2840, 0.4971, 0.4575



26.2840, 0.1431, 0.3092

Complementary

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



26.2840, 0.2836, 0.1874



60.3241, 0.3257, 0.4904

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.



26.2840, 0.2043, 0.4529



26.2840, 0.2836, 0.1874



26.2840, 0.4073, 0.5336

Square

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



26.2840, 0.2836, 0.1874



26.2840, 0.5434, 0.3764



26.2840, 0.3019, 0.5508



26.2840, 0.1245, 0.2129

Rectangle

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



26.2840, 0.2836, 0.1874



26.2840, 0.4847, 0.2792



26.2840, 0.3019, 0.5508



26.2840, 0.1584, 0.3543

Sweetspot

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



26.2851, 0.2836, 0.1874



74.5064, 0.3063, 0.2882



27.2202, 0.2194, 0.2080



15.3295, 0.3053, 0.2827



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.



26.2851, 0.2836, 0.1874



27.6864, 0.2747, 0.1605



30.1116, 0.3443, 0.2229



13.7263, 0.3092, 0.3056



7.5004, 0.2491, 0.1146



0.5649, 0.2606, 0.1209

Inverse Universe

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



27.7676, 0.4232, 0.2891



30.2569, 0.4631, 0.2839



58.3457, 0.2930, 0.4679



13.7654, 0.3247, 0.3222



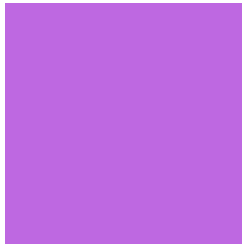
9.4619, 0.5793, 0.2965



0.6711, 0.5351, 0.2721

Previews

White Background



This preview shows how the Yxy color 26.2840, 0.2836, 0.1874 looks on a white background.

Color Contrast Check

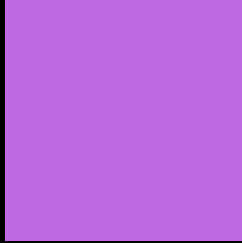
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.2840, 0.2836, 0.1874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

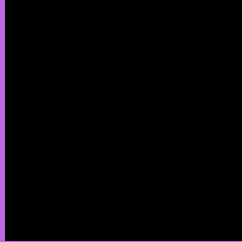
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.2840, 0.2836, 0.1874

Background



This preview shows how black text looks on a background with the Yxy color 26.2840, 0.2836, 0.1874.



This preview shows how white text looks on a background with the Yxy color 26.2840, 0.2836, 0.1874.

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

26.2840, 0.2836, 0.1874

Protanopia

26.9052, 0.1959, 0.1729

Deuteranopia

26.5274, 0.2204, 0.2142



Tritanopia

26.3034, 0.3623, 0.3160

Trichromacy



Original Color

26.2840, 0.2836, 0.1874



Protanomaly

25.2638, 0.2167, 0.1735



Deuteranomaly

25.3857, 0.2379, 0.1992



Tritanomaly

25.9659, 0.3321, 0.2616

Monochromacy



Original Color

26.2840, 0.2836, 0.1874



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

26.2947, 0.3027, 0.2645

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.2840, 0.2836, 0.1874 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(190, 104, 225)` looks like.

```
.text, #text, p{  
    color:rgb(190, 104, 225)  
}
```

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(190, 104, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 104, 225) }
```

Border

The CSS property to change the border of an element to Yxy 26.2840, 0.2836, 0.1874 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(190, 104, 225) }
```

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

```
.border{ border-color:rgb(190, 104, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 104, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(190, 104, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(190, 104, 225); box-shadow:4px 4px 4px 4px rgb(190, 104, 225) }
```


Background

The CSS property to change the background color of an element to Yxy 26.2840, 0.2836, 0.1874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 104, 225) }
```

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

```
.background{ background-color: rgb(190,  
104, 225) }
```

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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