

Converting Colors

$Y_{xy}(28.4829, 0.3206, 0.2736)$

Have a look what the booklet for
Yxy(28.4829, 0.3206, 0.2736)
contains.

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Color

Yxy(28.4030, 0.3208, 0.2730)

Conversions

Conversions Part 1

Format	Color
Hex	B083AB
RGB	176, 131, 171
RGB Percent	69%, 51%, 67%
CMY	0.3097, 0.4863, 0.3293
CMYK	0.00, 0.26, 0.03, 0.31
HSL	307°, 22%, 60%
HSV	307°, 26%, 69%
XYZ	33.3761, 28.4030, 42.2612
YIQ	149.0150, 13.9800, 21.9800

Conversions

Conversions Part 2

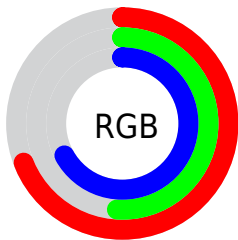
Format	Color
R _Y B	176, 131, 171
Decimal	11568043
CIE Lab	60.25, 24.08, -14.42
CIE LCh	60, 28.071, 329.085
Yxy	28.4030, 0.3208, 0.2730
Android (android.graphics.Color)	4289758123 (0xFFB083AB)
YUV	149.0150, 10.8386, 23.6658
Hunter-Lab	53.2945, 18.5219, -9.7093

Details

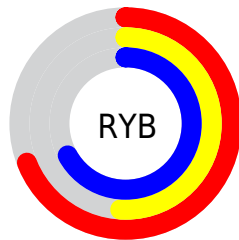
The Yxy color **28.4030, 0.3208, 0.2730** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **37.6605, 0.3055, 0.3923**, and the grayscale version is **30.0120, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.9278, 0.3197, 0.2837**, and **11.4277, 0.3226, 0.2553** is the 20% darker color. If you saturate the color by 10%, you get **23.9972, 0.3246, 0.2510**, and if you desaturate by 10%, it is **33.6156, 0.3174, 0.2952**.

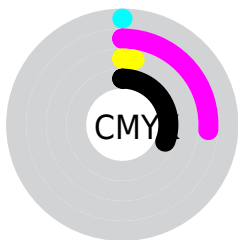
Distribution



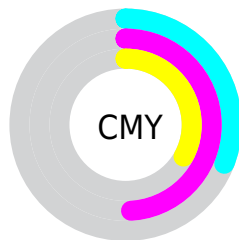
- Red (69%)
- Green (51%)
- Blue (67%)



- Red (69%)
- Yellow (51%)
- Blue (67%)



- Cyan (0%)
- Magenta (26%)
- Yellow (3%)
- Black (31%)





- Cyan (31%)
- Magenta (49%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.4030, 0.3208, 0.2730 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 28.4030, 0.3208, 0.2730 by changing the saturation by 10% instead.


 28.4030, 0.3208,
0.2730


 28.4030, 0.3208,
0.2730


294.3876, 0.3170,
0.3020


 18.6297, 0.3217,
0.2654


 57.1272, 0.3195,
0.2838

 11.4030, 0.3227,
0.2555


 76.8469, 0.3190,
0.2878

 6.3386, 0.3239,
0.2421


 100.6508, 0.3185,
0.2911

 3.0520, 0.3254,
0.2227

128.9233, 0.3181,
0.2939

 1.1590, 0.3266,
0.1926

162.0489, 0.3178,
0.2964

 0.0278, 0.3651,
0.0165

200.4118, 0.3175,

 0.0000, 0.0000,

0.2985

0.0000

244.3966, 0.3172,
0.3004

■ 28.4030, 0.3208,
0.2730

■ 28.4030, 0.3208,
0.2730

■ 23.9972, 0.3246,
0.2510

■ 33.6156, 0.3174,
0.2952

■ 20.3539, 0.3286,
0.2302

■ 39.6690, 0.3143,
0.3171

■ 17.4302, 0.3329,
0.2113

■ 46.5997, 0.3116,
0.3382

■ 15.1774, 0.3372,
0.1954

■ 54.4411, 0.3092,
0.3581

■ 13.5410, 0.3414,
0.1833

■ 63.2247, 0.3071,
0.3766

■ 12.4575, 0.3455,
0.1753

■ 72.9807, 0.3054,
0.3938

■ 11.8473, 0.3493,
0.1716

■ 83.7377, 0.3039,
0.4095

■ 11.6489, 0.3509,
0.1707

■ 84.3255, 0.3028,
0.4079

■ 84.4096, 0.3018,
0.4056

Harmonies

Analogous

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



28.4030, 0.2758, 0.2569



28.4030, 0.3208, 0.2730



28.4030, 0.3666, 0.3016

Triad

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



28.4030, 0.3208, 0.2730



28.4030, 0.3842, 0.4026



28.4030, 0.2341, 0.3108

Complementary

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



28.4030, 0.3208, 0.2730



37.6605, 0.3055, 0.3923

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.



28.4030, 0.2592, 0.3565



28.4030, 0.3208, 0.2730



28.4030, 0.3454, 0.4127

Square

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



28.4030, 0.3208, 0.2730



28.4030, 0.4042, 0.3739



28.4030, 0.2996, 0.3961



28.4030, 0.2286, 0.2752

Rectangle

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



28.4030, 0.3208, 0.2730



28.4030, 0.3900, 0.3251



28.4030, 0.2996, 0.3961



28.4030, 0.2404, 0.3256

Sweetspot

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



28.4043, 0.3208, 0.2730



68.9701, 0.3150, 0.3116



24.5583, 0.2738, 0.2584



14.5862, 0.3155, 0.3084



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.4043, 0.3208, 0.2730



46.5679, 0.3230, 0.2598



27.6332, 0.3449, 0.3030



8.6302, 0.3154, 0.3090



8.5502, 0.3506, 0.1705



0.2736, 0.3413, 0.1654

Inverse Universe

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



28.4043, 0.3208, 0.2730



46.5679, 0.3230, 0.2598



38.3521, 0.2889, 0.3567



8.6302, 0.3154, 0.3090



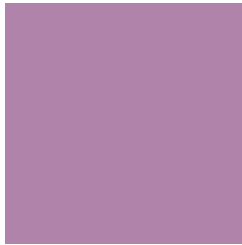
8.5502, 0.3506, 0.1705



0.2736, 0.3413, 0.1654

Previews

White Background



This preview shows how the Yxy color 28.4030, 0.3208, 0.2730 looks on a white background.

Color Contrast Check

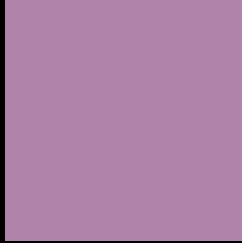
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.4030, 0.3208, 0.2730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

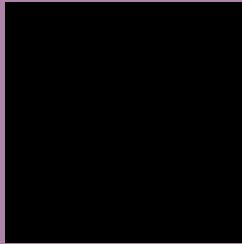
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.4030, 0.3208, 0.2730

Background



This preview shows how black text looks on a background with the Yxy color 28.4030, 0.3208, 0.2730.



This preview shows how white text looks on a background with the Yxy color 28.4030, 0.3208, 0.2730.

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

28.4030, 0.3208, 0.2730

Protanopia

28.5602, 0.2736, 0.2739

Deuteranopia

28.5065, 0.2932, 0.2878



Tritanopia

28.5679, 0.3437, 0.3144

Trichromacy



Original Color

28.4030, 0.3208, 0.2730

Protanomaly

28.2189, 0.2889, 0.2723

Deuteranomaly

28.3483, 0.3024, 0.2815

Tritanomaly

28.4154, 0.3353, 0.2987

Monochromacy



Original Color

28.4030, 0.3208, 0.2730

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

29.1513, 0.3159, 0.3064

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.4030, 0.3208, 0.2730 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(176, 131, 171)` looks like.

```
.text, #text, p{  
    color:rgb(176, 131, 171)  
}
```

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(176, 131, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 131, 171) }
```

Border

The CSS property to change the border of an element to Yxy 28.4030, 0.3208, 0.2730 is called "border". The border property can be set on classes, ids or directly on the HTML element.

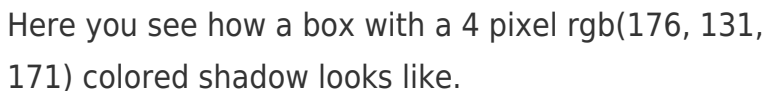
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 131, 171) }
```

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

```
.border{ border-color:rgb(176, 131, 171) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 131, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 131, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 131, 171); box-shadow:4px 4px 4px 4px rgb(176, 131, 171) }
```


Background

The CSS property to change the background color of an element to Yxy 28.4030, 0.3208, 0.2730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 131, 171) }
```

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

```
.background{ background-color: rgb(176,  
131, 171) }
```

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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