

Converting Colors

$Y_{xy}(46.3261, 0.3021, 0.2829)$

Have a look what the booklet for
Yxy(46.3261, 0.3021, 0.2829)
contains.

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Color

Yxy(46.3261, 0.3021, 0.2829)

Conversions

Conversions Part 1

Format	Color
Hex	C4ADD3
RGB	196, 173, 211
RGB Percent	77%, 68%, 83%
CMY	0.2313, 0.3216, 0.1726
CMYK	0.07, 0.18, 0.00, 0.17
HSL	276°, 30%, 75%
HSV	276°, 18%, 83%
XYZ	49.4702, 46.3261, 67.9580
YIQ	184.2090, 1.5100, 16.6940

Conversions

Conversions Part 2

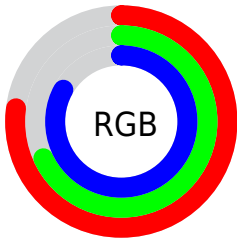
Format	Color
RYB	196, 173, 211
Decimal	12889555
CIELab	73.76, 15.31, -16.17
CIELCh	74, 22.268, 313.450
Yxy	46.3261, 0.3021, 0.2829
Android (android.graphics.Color)	4291079635 (0xFFC4ADD3)
YUV	184.2090, 13.2080, 10.3407
Hunter-Lab	68.0633, 10.6278, -11.5540

Details

The Yxy color $46.3261, 0.3021, 0.2829$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $60.2899, 0.3217, 0.3761$, and the grayscale version is $47.9815, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.5895, 0.3126, 0.3028$, and $21.8258, 0.2991, 0.2721$ is the 20% darker color. If you saturate the color by 10%, you get $37.7811, 0.2948, 0.2552$, and if you desaturate by 10%, it is $56.2146, 0.3084, 0.3092$.

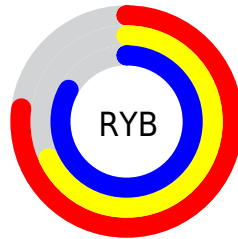
Distribution



Red (77%)

Green (68%)

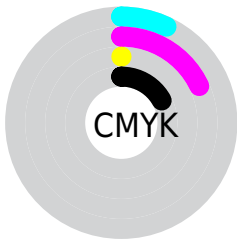
Blue (83%)



Red (77%)

Yellow (68%)

Blue (83%)

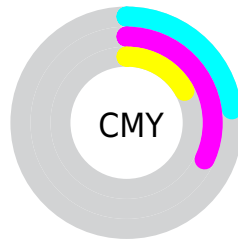


Cyan (7%)

Magenta (18%)

Yellow (0%)

Black (17%)



Cyan (23%)

Magenta (32%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.3261, 0.3021, 0.2829 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 46.3261, 0.3021, 0.2829 by changing the saturation by 10% instead.

■ 46.3261, 0.3021,
0.2829

■ 46.3261, 0.3021,
0.2829

372.1181, 0.3077,
0.3052

■ 32.5032, 0.3006,
0.2775

■ 84.7068, 0.3042,
0.2909

■ 21.7462, 0.2988,
0.2708

110.0335, 0.3049,
0.2939

■ 13.6705, 0.2962,
0.2620

139.9635, 0.3056,
0.2965

■ 7.8919, 0.2925,
0.2502

174.8813, 0.3061,
0.2987

■ 4.0258, 0.2868,
0.2334

215.1713, 0.3066,
0.3006

■ 1.6880, 0.2772,
0.2079

261.2178, 0.3070,

■ 0.4159, 0.2643,

0.3024

0.1429

313.4053, 0.3073,
0.3039

0.0000, 0.0000,
0.0000

46.3261, 0.3021,
0.2829

46.3261, 0.3021,
0.2829

37.7811, 0.2948,
0.2552

56.2146, 0.3084,
0.3092

30.5128, 0.2864,
0.2268

67.4976, 0.3137,
0.3337

24.4576, 0.2771,
0.1987

80.2304, 0.3181,
0.3562

19.5439, 0.2670,
0.1719

92.9261, 0.3220,
0.3744

15.6924, 0.2564,
0.1479

94.3287, 0.3274,
0.3737

■ 12.8130, 0.2457,
0.1278

■ 95.7976, 0.3328,
0.3729

■ 10.8005, 0.2353,
0.1126

■ 97.3338, 0.3382,
0.3721

■ 9.5024, 0.2256,
0.1024

■ 97.4829, 0.3388,
0.3721

■ 9.2819, 0.2237,
0.1006

Harmonies

Analogous

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



46.3261, 0.2746, 0.2776



46.3261, 0.3021, 0.2829



46.3261, 0.3338, 0.2990

Triad

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



46.3261, 0.3021, 0.2829



46.3261, 0.3702, 0.3710



46.3261, 0.2664, 0.3332

Complementary

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



46.3261, 0.3021, 0.2829



60.2899, 0.3217, 0.3761

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.



46.3261, 0.2902, 0.3621



46.3261, 0.3021, 0.2829



46.3261, 0.3503, 0.3838

Square

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



46.3261, 0.3021, 0.2829



46.3261, 0.3743, 0.3483



46.3261, 0.3209, 0.3811



46.3261, 0.2548, 0.3048

Rectangle

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



46.3261, 0.3021, 0.2829



46.3261, 0.3529, 0.3140



46.3261, 0.3209, 0.3811



46.3261, 0.2732, 0.3433

Sweetspot

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



46.3281, 0.3021, 0.2829



91.1929, 0.3101, 0.3167



49.6371, 0.2843, 0.3001



19.2637, 0.3097, 0.3149



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.



46.3281, 0.3021, 0.2829



65.3274, 0.2991, 0.2713



48.2487, 0.3179, 0.2889



11.7670, 0.3076, 0.3056



5.6628, 0.2251, 0.1014



0.3619, 0.2426, 0.1110

Inverse Universe

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



47.3636, 0.3342, 0.3111



67.2814, 0.3404, 0.3066



58.6359, 0.3079, 0.3727



11.8843, 0.3230, 0.3199



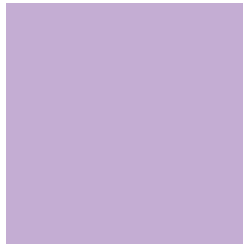
8.7548, 0.5386, 0.2741



0.5049, 0.4897, 0.2471

Previews

White Background



This preview shows how the Yxy color 46.3261, 0.3021, 0.2829 looks on a white background.

Color Contrast Check

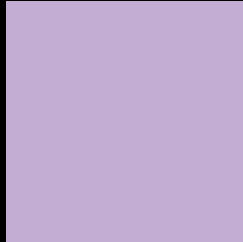
Large Text (above 18pt) WCAG AA × Fail

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 46.3261, 0.3021, 0.2829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

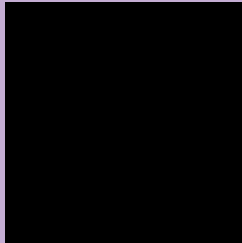
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.3261, 0.3021, 0.2829

Background



This preview shows how black text looks on a background with the Yxy color 46.3261, 0.3021, 0.2829.



This preview shows how white text looks on a background with the Yxy color 46.3261, 0.3021, 0.2829.

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

46.3261, 0.3021, 0.2829

Protanopia

46.5991, 0.2810, 0.2836

Deuteranopia

46.4117, 0.2938, 0.2879



Tritanopia

46.4994, 0.3161, 0.3127

Trichromacy



Original Color

46.3261, 0.3021, 0.2829

Protanomaly

46.2444, 0.2885, 0.2829

Deuteranomaly

46.5226, 0.2970, 0.2870

Tritanomaly

46.5972, 0.3106, 0.3017

Monochromacy



Original Color

46.3261, 0.3021, 0.2829

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.2289, 0.3085, 0.3113

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3261, 0.3021, 0.2829 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(196, 173, 211)` looks like.

```
.text, #text, p{  
    color:rgb(196, 173, 211)  
}
```

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(196, 173, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 173, 211) }
```

Border

The CSS property to change the border of an element to Yxy 46.3261, 0.3021, 0.2829 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(196, 173, 211) }
```

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

```
.border{ border-color:rgb(196, 173, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 173, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 173, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 173, 211);  
box-shadow:4px 4px 4px 4px rgb(196, 173,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3261, 0.3021, 0.2829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 173, 211) }
```

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

```
.background{ background-color: rgb(196,  
173, 211) }
```

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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