

Converting Colors

$Y_{xy}(46.6181, 0.2989, 0.2620)$

Have a look what the booklet for
Yxy(46.6181, 0.2989, 0.2620)
contains.

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Color

Yxy(46.6181, 0.2989, 0.2620)

Conversions

Conversions Part 1

Format	Color
Hex	CEA8E2
RGB	206, 168, 226
RGB Percent	81%, 66%, 89%
CMY	0.1921, 0.3412, 0.1138
CMYK	0.09, 0.26, 0.00, 0.11
HSL	279°, 50%, 77%
HSV	279°, 26%, 89%
XYZ	53.1838, 46.6181, 78.1298
YIQ	185.9740, 4.0300, 26.0940

Conversions

Conversions Part 2

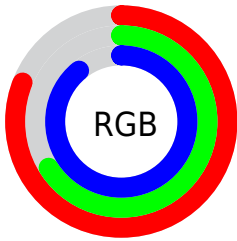
Format	Color
R _Y B	206, 168, 226
Decimal	13543650
CIE Lab	73.94, 24.33, -23.98
CIE LCh	74, 34.155, 315.415
Yxy	46.6181, 0.2989, 0.2620
Android (android.graphics.Color)	4291733730 (0xFFCEA8E2)
YUV	185.9740, 19.7328, 17.5628
Hunter-Lab	68.2774, 19.5546, -20.0513

Details

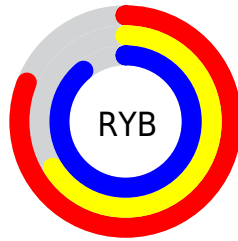
The Yxy color $46.6181, 0.2989, 0.2620$ is a light color, and the websafe version is hex $CC99CC$. A complement of this color would be $67.8949, 0.3232, 0.3991$, and the grayscale version is $48.9748, 0.3127, 0.3290$.

A 20% lighter version of the original color is $81.2554, 0.3142, 0.2980$, and $22.0104, 0.2937, 0.2452$ is the 20% darker color. If you saturate the color by 10%, you get $37.9022, 0.2919, 0.2341$, and if you desaturate by 10%, it is $56.8430, 0.3050, 0.2892$.

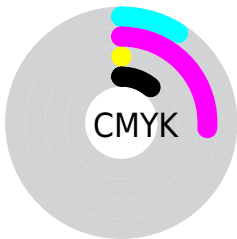
Distribution



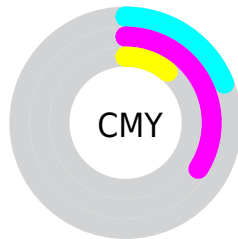
- Red (81%)
- Green (66%)
- Blue (89%)



- Red (81%)
- Yellow (66%)
- Blue (89%)



- Cyan (9%)
- Magenta (26%)
- Yellow (0%)
- Black (11%)





- Cyan (19%)
- Magenta (34%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.6181, 0.2989, 0.2620 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 46.6181, 0.2989, 0.2620 by changing the saturation by 10% instead.


 46.6181, 0.2989,
0.2620


 46.6181, 0.2989,
0.2620

373.2881, 0.3063,
0.2938

 32.7339, 0.2969,
0.2546


 85.1433, 0.3017,
0.2732

 21.9226, 0.2943,
0.2454


 110.5530, 0.3027,
0.2775

 13.8001, 0.2908,
0.2336


140.5733, 0.3036,
0.2811

 7.9817, 0.2858,
0.2181

175.5887, 0.3043,
0.2843

 4.0833, 0.2781,
0.1968

215.9834, 0.3049,
0.2871

 1.7202, 0.2653,
0.1663

262.1420, 0.3054,

 0.4367, 0.2451,

0.2896

0.1049

314.4487, 0.3059,
0.2918

0.0000, 0.0000,
0.0000

46.6181, 0.2989,
0.2620

46.6181, 0.2989,
0.2620

37.9022, 0.2919,
0.2341

56.8430, 0.3050,
0.2892

30.6134, 0.2840,
0.2063

68.6412, 0.3102,
0.3151

24.6713, 0.2753,
0.1799

82.0806, 0.3145,
0.3393

19.9847, 0.2661,
0.1561

95.0384, 0.3183,
0.3582

16.4507, 0.2567,
0.1360

96.4081, 0.3233,
0.3578

■ 13.9497, 0.2474,
0.1206

■ 97.8366, 0.3283,
0.3573

■ 12.3345, 0.2385,
0.1102

■ 98.2698, 0.3298,
0.3572

■ 11.8010, 0.2348,
0.1067

Harmonies

Analogous

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



46.6181, 0.2573, 0.2526



46.6181, 0.2989, 0.2620



46.6181, 0.3476, 0.2861

Triad

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



46.6181, 0.2989, 0.2620



46.6181, 0.3988, 0.3928



46.6181, 0.2412, 0.3312

Complementary

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



46.6181, 0.2989, 0.2620



67.8949, 0.3232, 0.3991

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.



46.6181, 0.2750, 0.3781



46.6181, 0.2989, 0.2620



46.6181, 0.3662, 0.4137

Square

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



46.6181, 0.2989, 0.2620



46.6181, 0.4078, 0.3584



46.6181, 0.3207, 0.4098



46.6181, 0.2261, 0.2881

Rectangle

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



46.6181, 0.2989, 0.2620



46.6181, 0.3769, 0.3081



46.6181, 0.3207, 0.4098



46.6181, 0.2506, 0.3472

Sweetspot

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



46.6201, 0.2989, 0.2620



86.3598, 0.3090, 0.3091



49.9072, 0.2709, 0.2822



17.9689, 0.3082, 0.3052



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.



46.6201, 0.2989, 0.2620



54.7091, 0.2951, 0.2465



49.1960, 0.3229, 0.2742



13.6871, 0.3083, 0.3055



6.8021, 0.2361, 0.1074



0.5205, 0.2493, 0.1147

Inverse Universe

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



47.8009, 0.3486, 0.3061



56.6110, 0.3591, 0.3009



65.8681, 0.3040, 0.3908



13.7781, 0.3238, 0.3210



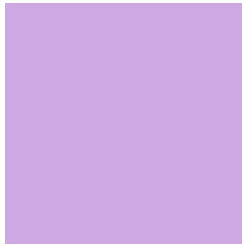
9.5568, 0.5590, 0.2853



0.6789, 0.5158, 0.2615

Previews

White Background



This preview shows how the Yxy color 46.6181, 0.2989, 0.2620 looks on a white background.

Color Contrast Check

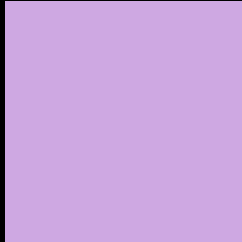
Large Text (above 18pt) WCAG AA × Fail

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 46.6181, 0.2989, 0.2620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

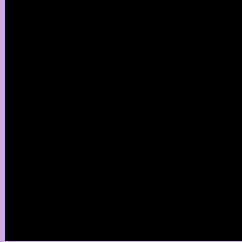
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.6181, 0.2989, 0.2620

Background



This preview shows how black text looks on a background with the Yxy color 46.6181, 0.2989, 0.2620.



This preview shows how white text looks on a background with the Yxy color 46.6181, 0.2989, 0.2620.

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

46.6181, 0.2989, 0.2620

Protanopia

46.9079, 0.2649, 0.2626

Deuteranopia

46.6876, 0.2784, 0.2723



Tritanopia

46.6134, 0.3232, 0.3117

Trichromacy



Original Color

46.6181, 0.2989, 0.2620

Protanomaly

46.7653, 0.2766, 0.2627

Deuteranomaly

46.3997, 0.2852, 0.2675

Tritanomaly

46.3259, 0.3144, 0.2927

Monochromacy



Original Color

46.6181, 0.2989, 0.2620

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

47.7947, 0.3072, 0.3018

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6181, 0.2989, 0.2620 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(206, 168, 226)` looks like.

```
.text, #text, p{  
    color:rgb(206, 168, 226)  
}
```

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(206, 168, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 168, 226) }
```

Border

The CSS property to change the border of an element to Yxy 46.6181, 0.2989, 0.2620 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(206, 168, 226) }
```

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

```
.border{ border-color:rgb(206, 168, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 168, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(206, 168, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(206, 168, 226); box-shadow:4px 4px 4px 4px rgb(206, 168, 226) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6181, 0.2989, 0.2620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 168, 226) }
```

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

```
.background{ background-color: rgb(206,  
168, 226) }
```

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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