

Converting Colors

$Y_{xy}(46.4244, 0.3309, 0.2756)$

Have a look what the booklet for
Yxy(46.4244, 0.3309, 0.2756)
contains.

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Color

Yxy(46.2619, 0.3307, 0.2750)

Conversions

Conversions Part 1

Format	Color
Hex	E2A1D1
RGB	226, 161, 209
RGB Percent	89%, 63%, 82%
CMY	0.1135, 0.3687, 0.1803
CMYK	0.00, 0.29, 0.08, 0.11
HSL	316°, 53%, 76%
HSV	316°, 29%, 89%
XYZ	55.6320, 46.2619, 66.3312
YIQ	185.9070, 23.3320, 28.7080

Conversions

Conversions Part 2

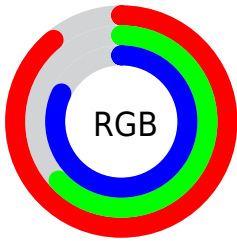
Format	Color
R _Y B	226, 161, 209
Decimal	14852561
CIE Lab	73.72, 31.54, -14.86
CIE LCh	74, 34.869, 334.771
Yxy	46.2619, 0.3307, 0.2750
Android (android.graphics.Color)	4293042641 (0xFFE2A1D1)
YUV	185.9070, 11.3848, 35.1616
Hunter-Lab	68.0161, 26.9714, -10.2100

Details

The Yxy color $46.2619, 0.3307, 0.2750$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $65.2125, 0.2986, 0.3899$, and the grayscale version is $48.9758, 0.3127, 0.3290$.

A 20% lighter version of the original color is $77.5917, 0.3145, 0.2910$, and $21.8499, 0.3346, 0.2615$ is the 20% darker color. If you saturate the color by 10%, you get $38.7782, 0.3389, 0.2561$, and if you desaturate by 10%, it is $55.1887, 0.3236, 0.2942$.

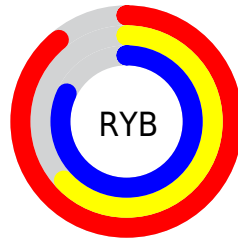
Distribution



Red (89%)

Green (63%)

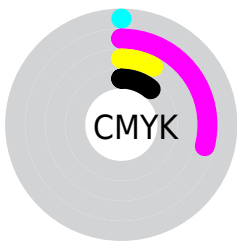
Blue (82%)



Red (89%)

Yellow (63%)

Blue (82%)

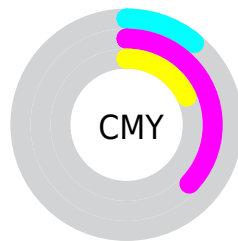


Cyan (0%)

Magenta (29%)

Yellow (8%)

Black (11%)



Cyan (11%)


Magenta (37%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.2619, 0.3307, 0.2750 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 46.2619, 0.3307, 0.2750 by changing the saturation by 10% instead.


 46.2619, 0.3307,
0.2750


 46.2619, 0.3307,
0.2750

371.8606, 0.3223,
0.3008

 32.4525, 0.3326,
0.2689


 84.6108, 0.3278,
0.2841

 21.7074, 0.3351,
0.2613


 109.9192, 0.3266,
0.2876

 13.6421, 0.3381,
0.2515


139.8293, 0.3256,
0.2906

 7.8721, 0.3421,
0.2384

174.7256, 0.3248,
0.2932

 4.0132, 0.3476,
0.2202

214.9925, 0.3240,
0.2954

 1.6810, 0.3553,
0.1931

261.0144, 0.3234,

 0.4113, 0.3758,

0.2974

0.1285

313.1756, 0.3228,
0.2992

0.0000, 0.2786,
0.0000

0.0000, 0.0000,
0.0000

46.2619, 0.3307,
0.2750

46.2619, 0.3307,
0.2750

38.7782, 0.3389,
0.2561

55.1887, 0.3236,
0.2942

32.6544, 0.3480,
0.2382

65.6238, 0.3174,
0.3131

27.8080, 0.3579,
0.2225

77.6359, 0.3121,
0.3311

24.1454, 0.3685,
0.2098

91.2875, 0.3077,
0.3482

■ 21.5597, 0.3793,
0.2014

■ 93.9065, 0.3042,
0.3456

■ 19.9249, 0.3901,
0.1976

■ 94.2613, 0.3010,
0.3395

■ 19.0493, 0.4005,
0.1984

■ 94.6276, 0.2977,
0.3335

■ 18.9633, 0.4017,
0.1987

■ 94.9177, 0.2952,
0.3289

Harmonies

Analogous

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



46.2619, 0.2820, 0.2553



46.2619, 0.3307, 0.2750



46.2619, 0.3775, 0.3068

Triad

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



46.2619, 0.3307, 0.2750



46.2619, 0.3813, 0.4104



46.2619, 0.2273, 0.3012

Complementary

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



46.2619, 0.3307, 0.2750



65.2125, 0.2986, 0.3899

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.



46.2619, 0.2499, 0.3487



46.2619, 0.3307, 0.2750



46.2619, 0.3380, 0.4166

Square

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



46.2619, 0.3307, 0.2750



46.2619, 0.4072, 0.3826



46.2619, 0.2898, 0.3936



46.2619, 0.2256, 0.2670

Rectangle

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



46.2619, 0.3307, 0.2750



46.2619, 0.3996, 0.3320



46.2619, 0.2898, 0.3936



46.2619, 0.2326, 0.3162

Sweetspot

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



46.2640, 0.3307, 0.2750



85.8405, 0.3175, 0.3126



40.3520, 0.2750, 0.2484



17.9179, 0.3184, 0.3098



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.



46.2640, 0.3307, 0.2750



54.2472, 0.3358, 0.2627



44.8437, 0.3603, 0.3102



13.8712, 0.3178, 0.3119



10.8331, 0.4002, 0.1978



0.7653, 0.3853, 0.1896

Inverse Universe

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



46.2640, 0.3307, 0.2750



54.2472, 0.3358, 0.2627



66.6401, 0.2801, 0.3489



13.8712, 0.3178, 0.3119



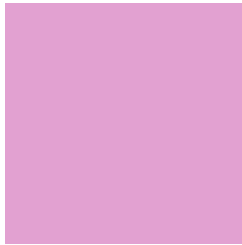
10.8331, 0.4002, 0.1978



0.7653, 0.3853, 0.1896

Previews

White Background



This preview shows how the Yxy color 46.2619, 0.3307, 0.2750 looks on a white background.

Color Contrast Check

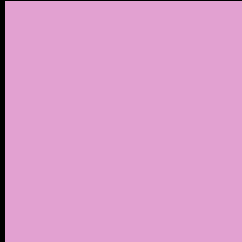
Large Text (above 18pt) WCAG AA × Fail

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 46.2619, 0.3307, 0.2750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

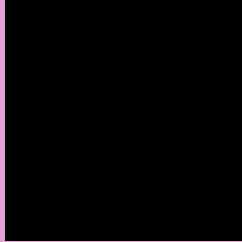
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.2619, 0.3307, 0.2750

Background



This preview shows how black text looks on a background with the Yxy color 46.2619, 0.3307, 0.2750.



This preview shows how white text looks on a background with the Yxy color 46.2619, 0.3307, 0.2750.

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

46.2619, 0.3307, 0.2750

Protanopia

46.6871, 0.2755, 0.2765

Deuteranopia

46.5919, 0.2992, 0.2929



Tritanopia

46.0567, 0.3536, 0.3138

Trichromacy



Original Color

46.2619, 0.3307, 0.2750



Protanomaly

46.1034, 0.2942, 0.2756



Deuteranomaly

46.1874, 0.3104, 0.2857



Tritanomaly

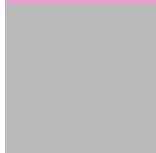
45.9566, 0.3447, 0.2989

Monochromacy



Original Color

46.2619, 0.3307, 0.2750



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

47.7568, 0.3198, 0.3082

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.2619, 0.3307, 0.2750 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(226, 161, 209)` looks like.

```
.text, #text, p{  
    color:rgb(226, 161, 209)  
}
```

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(226, 161, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 161, 209) }
```

Border

The CSS property to change the border of an element to Yxy 46.2619, 0.3307, 0.2750 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(226, 161, 209) }
```

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

```
.border{ border-color:rgb(226, 161, 209) }
```

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

Here you see how a box with a 4 pixel rgb(226, 161, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 161, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 161, 209);  
box-shadow:4px 4px 4px 4px rgb(226, 161,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 46.2619, 0.3307, 0.2750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 161, 209) }
```

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

```
.background{ background-color: rgb(226,  
161, 209) }
```

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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