

Converting Colors

$Y_{xy}(46.2058, 0.3197, 0.2519)$

Have a look what the booklet for
Yxy(46.2058, 0.3197, 0.2519)
contains.

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Color

Yxy(46.3119, 0.3199, 0.2523)

Conversions

Conversions Part 1

Format	Color
Hex	E79CE3
RGB	231, 156, 227
RGB Percent	91%, 61%, 89%
CMY	0.0939, 0.3883, 0.1098
CMYK	0.00, 0.32, 0.02, 0.09
HSL	303°, 61%, 76%
HSV	303°, 32%, 91%
XYZ	58.7205, 46.3119, 78.5265
YIQ	186.5190, 21.9090, 37.9810

Conversions

Conversions Part 2

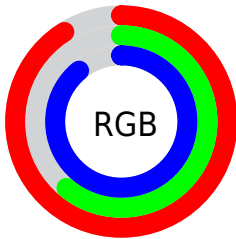
Format	Color
R _Y B	231, 156, 227
Decimal	15178979
CIE Lab	73.75, 39.00, -24.62
CIE LCh	74, 46.124, 327.741
Yxy	46.3119, 0.3199, 0.2523
Android (android.graphics.Color)	4293369059 (0xFFE79CE3)
YUV	186.5190, 19.9571, 39.0098
Hunter-Lab	68.0528, 34.9291, -20.7780

Details

The Yxy color $46.3119, 0.3199, 0.2523$ is a light color, and the websafe version is hex $CC99CC$. A complement of this color would be $66.7817, 0.3059, 0.4200$, and the grayscale version is $49.2873, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.0685, 0.3147, 0.2861$, and $21.6394, 0.3208, 0.2341$ is the 20% darker color. If you saturate the color by 10%, you get $39.2163, 0.3224, 0.2297$, and if you desaturate by 10%, it is $54.8867, 0.3175, 0.2760$.

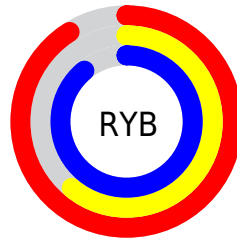
Distribution



Red (91%)

Green (61%)

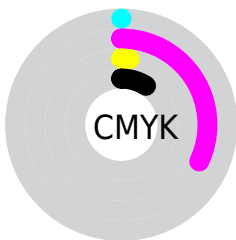
Blue (89%)



Red (91%)

Yellow (61%)

Blue (89%)

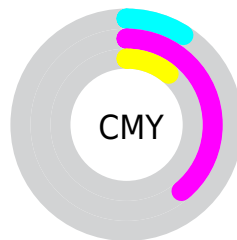


Cyan (0%)

Magenta (32%)

Yellow (2%)

Black (9%)



Cyan (9%)


Magenta (39%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.3119, 0.3199, 0.2523 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 46.3119, 0.3199, 0.2523 by changing the saturation by 10% instead.


 46.3119, 0.3199,
0.2523

 46.3119, 0.3199,
0.2523

372.0612, 0.3173,
0.2881

 32.4920, 0.3203,
0.2441

 84.6856, 0.3192,
0.2648

 21.7376, 0.3206,
0.2340


 110.0082, 0.3188,
0.2696

 13.6642, 0.3209,
0.2211


139.9338, 0.3185,
0.2738

 7.8875, 0.3209,
0.2045

174.8469, 0.3182,
0.2774

 4.0230, 0.3202,
0.1821

215.1317, 0.3180,
0.2806

 1.6865, 0.3176,
0.1506

261.1728, 0.3177,

 0.4149, 0.3149,

0.2834

0.0899

313.3545, 0.3175,
0.2859

0.0000, 0.2332,
0.0000

0.0000, 0.0000,
0.0000

46.3119, 0.3199,
0.2523

46.3119, 0.3199,
0.2523

39.2163, 0.3224,
0.2297

54.8867, 0.3175,
0.2760

33.5100, 0.3249,
0.2092

65.0118, 0.3153,
0.2999

29.1026, 0.3274,
0.1917

76.7611, 0.3132,
0.3233

25.8908, 0.3298,
0.1780

90.2021, 0.3113,
0.3458

■ 23.7554, 0.3319,
0.1686

■ 94.4121, 0.3103,
0.3510

■ 22.5529, 0.3338,
0.1635

■ 94.4834, 0.3096,
0.3497

■ 22.0918, 0.3350,
0.1619

■ 94.5551, 0.3089,
0.3485

■ 94.6274, 0.3082,
0.3472

■ 94.7002, 0.3075,
0.3459

Harmonies

Analogous

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



46.3119, 0.2590, 0.2317



46.3119, 0.3199, 0.2523



46.3119, 0.3851, 0.2890

Triad

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



46.3119, 0.3199, 0.2523



46.3119, 0.4118, 0.4272



46.3119, 0.2069, 0.3041

Complementary

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



46.3119, 0.3199, 0.2523



66.7817, 0.3059, 0.4200

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.



46.3119, 0.2406, 0.3703



46.3119, 0.3199, 0.2523



46.3119, 0.3583, 0.4474

Square

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



46.3119, 0.3199, 0.2523



46.3119, 0.4400, 0.3847



46.3119, 0.2955, 0.4276



46.3119, 0.1992, 0.2553

Rectangle

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



46.3119, 0.3199, 0.2523



46.3119, 0.4192, 0.3194



46.3119, 0.2955, 0.4276



46.3119, 0.2153, 0.3252

Sweetspot

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



46.3139, 0.3199, 0.2523



84.7078, 0.3147, 0.3056



36.9890, 0.2574, 0.2336



17.7070, 0.3150, 0.3023



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.



46.3139, 0.3199, 0.2523



51.7669, 0.3216, 0.2369



44.4744, 0.3540, 0.2909



14.6012, 0.3146, 0.3071



12.3855, 0.3348, 0.1618



0.9194, 0.3326, 0.1606

Inverse Universe

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



46.3139, 0.3199, 0.2523



51.7669, 0.3216, 0.2369



68.2866, 0.2847, 0.3709



14.6012, 0.3146, 0.3071



12.3855, 0.3348, 0.1618



0.9194, 0.3326, 0.1606

Previews

White Background



This preview shows how the Yxy color 46.3119, 0.3199, 0.2523 looks on a white background.

Color Contrast Check

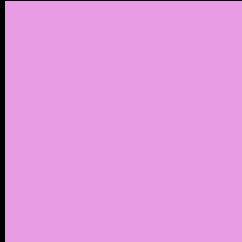
Large Text (above 18pt) WCAG AA × Fail

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 46.3119, 0.3199, 0.2523 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

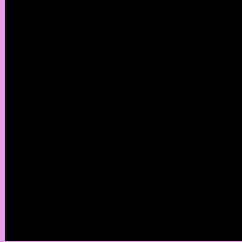
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.3119, 0.3199, 0.2523

Background



This preview shows how black text looks on a background with the Yxy color 46.3119, 0.3199, 0.2523.



This preview shows how white text looks on a background with the Yxy color 46.3119, 0.3199, 0.2523.

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

46.3119, 0.3199, 0.2523

Protanopia

46.5584, 0.2554, 0.2501

Deuteranopia

46.6335, 0.2791, 0.2734



Tritanopia

46.4943, 0.3574, 0.3151

Trichromacy



Original Color

46.3119, 0.3199, 0.2523



Protanomaly

45.9902, 0.2760, 0.2502



Deuteranomaly

46.0016, 0.2930, 0.2650



Tritanomaly

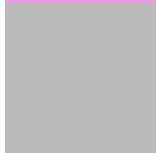
46.1571, 0.3432, 0.2903

Monochromacy



Original Color

46.3119, 0.3199, 0.2523



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

48.0114, 0.3150, 0.2977

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3119, 0.3199, 0.2523 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(231, 156, 227)` looks like.

```
.text, #text, p{  
    color:rgb(231, 156, 227)  
}
```

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(231, 156, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 156, 227) }
```

Border

The CSS property to change the border of an element to Yxy 46.3119, 0.3199, 0.2523 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(231, 156, 227) }
```

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

```
.border{ border-color:rgb(231, 156, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 156, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 156, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 156, 227); box-shadow:4px 4px 4px 4px rgb(231, 156, 227) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3119, 0.3199, 0.2523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 156, 227) }
```

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

```
.background{ background-color: rgb(231,  
156, 227) }
```

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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