

Converting Colors

$Yxy(47.1647, 0.3173, 0.2472)$

Have a look what the booklet for
Yxy(47.1647, 0.3173, 0.2472)
contains.

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Color

Yxy(47.1526, 0.3174, 0.2473)

Conversions

Conversions Part 1

Format	Color
Hex	EA9CE9
RGB	234, 156, 233
RGB Percent	92%, 61%, 91%
CMY	0.0825, 0.3881, 0.0863
CMYK	0.00, 0.33, 0.00, 0.08
HSL	301°, 65%, 76%
HSV	301°, 33%, 92%
XYZ	60.5185, 47.1526, 82.9985
YIQ	188.1000, 21.7710, 40.4830

Conversions

Conversions Part 2

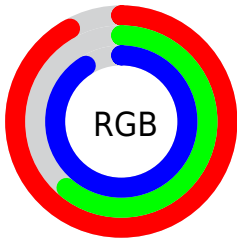
Format	Color
R_{YB}	234, 156, 233
Decimal	15375593
CIE _{Lab}	74.29, 40.98, -27.03
CIE _{LCh}	74, 49.092, 326.592
Yxy	47.1526, 0.3174, 0.2473
Android (android.graphics.Color)	4293565673 (0xFFEA9CE9)
YUV	188.1000, 22.1357, 40.2543
Hunter-Lab	68.6678, 37.1478, -23.5962

Details

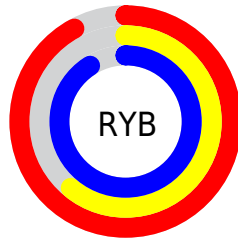
The Yxy color **47.1526, 0.3174, 0.2473** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **68.3300, 0.3075, 0.4270**, and the grayscale version is **50.2132, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5670, 0.3147, 0.2871**, and **22.2219, 0.3174, 0.2282** is the 20% darker color. If you saturate the color by 10%, you get **40.0263, 0.3188, 0.2242**, and if you desaturate by 10%, it is **55.7954, 0.3160, 0.2717**.

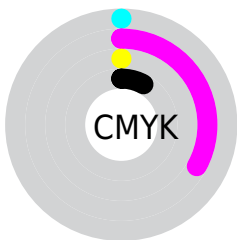
Distribution



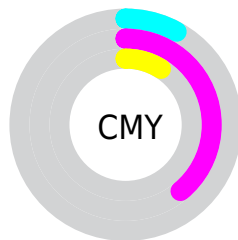
- Red (92%)
- Green (61%)
- Blue (91%)



- Red (92%)
- Yellow (61%)
- Blue (91%)



- Cyan (0%)
- Magenta (33%)
- Yellow (0%)
- Black (8%)





- Cyan (8%)
- Magenta (39%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.1526, 0.3174, 0.2473 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 47.1526, 0.3174, 0.2473 by changing the saturation by 10% instead.


 47.1526, 0.3174,
0.2473

 47.1526, 0.3174,
0.2473


375.4233, 0.3162,
0.2851

 33.1563, 0.3174,
0.2387


 85.9414, 0.3172,
0.2604

 22.2462, 0.3173,
0.2282


 111.5026, 0.3170,
0.2655

 14.0379, 0.3169,
0.2149


141.6877, 0.3169,
0.2699

 8.1470, 0.3161,
0.1978

176.8809, 0.3167,
0.2737

 4.1892, 0.3141,
0.1750

217.4666, 0.3166,
0.2771

 1.7799, 0.3097,
0.1436

263.8294, 0.3164,

 0.4746, 0.3022,

0.2801

0.0890

316.3535, 0.3163,
0.2827

0.0000, 0.2464,
0.0000

0.0000, 0.0000,
0.0000

47.1526, 0.3174,
0.2473

47.1526, 0.3174,
0.2473

40.0263, 0.3188,
0.2242

55.7954, 0.3160,
0.2717

34.3230, 0.3201,
0.2033

66.0286, 0.3145,
0.2966

29.9490, 0.3213,
0.1857


77.9287, 0.3132,
0.3211


26.7963, 0.3224,
0.1720


91.5657, 0.3119,
0.3446

 24.7404, 0.3232,
0.1627

 94.9728, 0.3114,
0.3496


 23.6303, 0.3238,
0.1576

 94.9896, 0.3113,
0.3494

 23.2591, 0.3241,
0.1559

 95.0064, 0.3111,
0.3491

 95.0232, 0.3109,
0.3488

 95.0401, 0.3108,
0.3485

Harmonies

Analogous

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



47.1526, 0.2539, 0.2265



47.1526, 0.3174, 0.2473



47.1526, 0.3867, 0.2851

Triad

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



47.1526, 0.3174, 0.2473



47.1526, 0.4186, 0.4306



47.1526, 0.2022, 0.3047

Complementary

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



47.1526, 0.3174, 0.2473



68.3300, 0.3075, 0.4270

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.



47.1526, 0.2383, 0.3755



47.1526, 0.3174, 0.2473



47.1526, 0.3627, 0.4543

Square

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



47.1526, 0.3174, 0.2473



47.1526, 0.4475, 0.3849



47.1526, 0.2966, 0.4357



47.1526, 0.1934, 0.2525

Rectangle

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



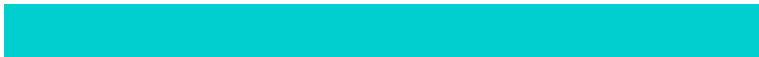
47.1526, 0.3174, 0.2473



47.1526, 0.4237, 0.3166



47.1526, 0.2966, 0.4357



47.1526, 0.2113, 0.3272

Sweetspot

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



47.1547, 0.3174, 0.2473



84.7753, 0.3141, 0.3047



36.7942, 0.2528, 0.2299



17.7234, 0.3143, 0.3012



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.



47.1547, 0.3174, 0.2473



51.1811, 0.3184, 0.2312



45.2116, 0.3516, 0.2856



15.3104, 0.3140, 0.3061



13.0764, 0.3240, 0.1559



1.0279, 0.3236, 0.1556

Inverse Universe

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



47.1547, 0.3174, 0.2473



51.1811, 0.3184, 0.2312



69.8358, 0.2862, 0.3772



15.3104, 0.3140, 0.3061



13.0764, 0.3240, 0.1559



1.0279, 0.3236, 0.1556

Previews

White Background



This preview shows how the Yxy color 47.1526, 0.3174, 0.2473 looks on a white background.

Color Contrast Check

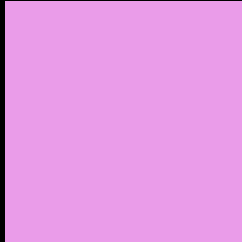
Large Text (above 18pt) WCAG AA × Fail

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 47.1526, 0.3174, 0.2473 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

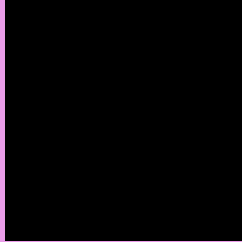
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.1526, 0.3174, 0.2473

Background



This preview shows how black text looks on a background with the Yxy color 47.1526, 0.3174, 0.2473.



This preview shows how white text looks on a background with the Yxy color 47.1526, 0.3174, 0.2473.

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

47.1526, 0.3174, 0.2473

Protanopia

47.6942, 0.2512, 0.2453

Deuteranopia

47.2445, 0.2744, 0.2679



Tritanopia

47.2636, 0.3571, 0.3141

Trichromacy



Original Color

47.1526, 0.3174, 0.2473



Protanomaly

46.7281, 0.2721, 0.2454



Deuteranomaly

46.8448, 0.2894, 0.2601



Tritanomaly

47.1409, 0.3430, 0.2886

Monochromacy



Original Color

47.1526, 0.3174, 0.2473



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

48.3894, 0.3151, 0.2955

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1526, 0.3174, 0.2473 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(234, 156, 233)` looks like.

```
.text, #text, p{  
    color:rgb(234, 156, 233)  
}
```

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(234, 156, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 156, 233) }
```

Border

The CSS property to change the border of an element to Yxy 47.1526, 0.3174, 0.2473 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(234, 156, 233) }
```

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

```
.border{ border-color:rgb(234, 156, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 156, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 156, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 156, 233);  
box-shadow:4px 4px 4px 4px rgb(234, 156,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1526, 0.3174, 0.2473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 156, 233) }
```

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

```
.background{ background-color: rgb(234,  
156, 233) }
```

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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