

Converting Colors

$Y_{xy}(46.0433, 0.3037, 0.2543)$

Have a look what the booklet for
Yxy(46.0433, 0.3037, 0.2543)
contains.

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Color

Yxy(46.1477, 0.3033, 0.2546)

Conversions

Conversions Part 1

Format	Color
Hex	D6A3E5
RGB	214, 163, 229
RGB Percent	84%, 64%, 90%
CMY	0.1607, 0.3608, 0.1020
CMYK	0.07, 0.29, 0.00, 0.10
HSL	286°, 56%, 77%
HSV	286°, 29%, 90%
XYZ	54.9749, 46.1477, 80.1331
YIQ	185.7730, 9.2100, 31.3380

Conversions

Conversions Part 2

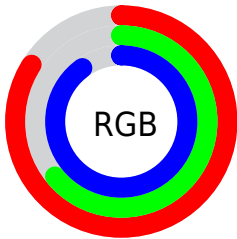
Format	Color
RYB	214, 163, 229
Decimal	14066661
CIELab	73.64, 30.21, -26.02
CIELCh	74, 39.867, 319.263
Yxy	46.1477, 0.3033, 0.2546
Android (android.graphics.Color)	4292256741 (0xFFD6A3E5)
YUV	185.7730, 21.3109, 24.7551
Hunter-Lab	67.9321, 25.5721, -22.3864

Details

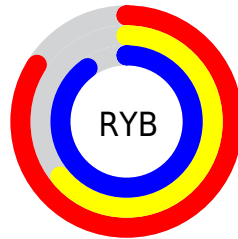
The Yxy color $46.1477, 0.3033, 0.2546$ is a light color, and the websafe version is hex $CC99CC$. A complement of this color would be $68.1408, 0.3189, 0.4102$, and the grayscale version is $48.8458, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.6228, 0.3144, 0.2930$, and $21.7569, 0.3006, 0.2376$ is the 20% darker color. If you saturate the color by 10%, you get $37.9716, 0.2988, 0.2279$, and if you desaturate by 10%, it is $55.8249, 0.3071, 0.2813$.

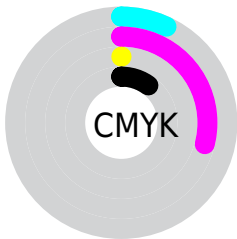
Distribution



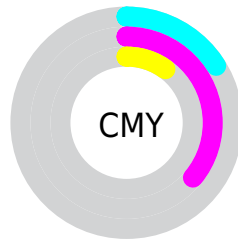
- Red (84%)
- Green (64%)
- Blue (90%)



- Red (84%)
- Yellow (64%)
- Blue (90%)



- Cyan (7%)
- Magenta (29%)
- Yellow (0%)
- Black (10%)





- Cyan (16%)
- Magenta (36%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.1477, 0.3033, 0.2546 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 46.1477, 0.3033, 0.2546 by changing the saturation by 10% instead.


 46.1477, 0.3033,
0.2546

 46.1477, 0.3033,
0.2546


371.4021, 0.3087,
0.2896

 32.3624, 0.3018,
0.2465


 84.4400, 0.3054,
0.2668

 21.6384, 0.2997,
0.2365


 109.7158, 0.3062,
0.2716

 13.5915, 0.2968,
0.2238


139.5905, 0.3068,
0.2756

 7.8371, 0.2926,
0.2072


174.4486, 0.3073,
0.2792

 3.9909, 0.2861,
0.1847

214.6744, 0.3078,
0.2823

 1.6685, 0.2748,
0.1529

260.6523, 0.3081,

 0.4031, 0.2574,

0.2850

0.0900

312.7668, 0.3085,
0.2874

0.0000, 0.0608,
0.0000

0.0000, 0.0000,
0.0000

46.1477, 0.3033,
0.2546

46.1477, 0.3033,
0.2546

37.9716, 0.2988,
0.2279

55.8249, 0.3071,
0.2813

31.2110, 0.2938,
0.2023

67.0711, 0.3104,
0.3072

25.7805, 0.2882,
0.1787

79.9570, 0.3130,
0.3318

21.5833, 0.2822,
0.1583

94.5473, 0.3151,
0.3548

■ 18.5089, 0.2761,
0.1421

■ 95.7016, 0.3184,
0.3550

■ 16.4268, 0.2700,
0.1304

■ 96.6239, 0.3217,
0.3547

■ 15.1394, 0.2640,
0.1232

■ 97.5725, 0.3250,
0.3544

■ 15.0086, 0.2633,
0.1224

■ 98.4368, 0.3280,
0.3542

Harmonies

Analogous

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



46.1477, 0.2536, 0.2413



46.1477, 0.3033, 0.2546



46.1477, 0.3604, 0.2838

Triad

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



46.1477, 0.3033, 0.2546



46.1477, 0.4092, 0.4066



46.1477, 0.2262, 0.3236

Complementary

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



46.1477, 0.3033, 0.2546



68.1408, 0.3189, 0.4102

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.



46.1477, 0.2624, 0.3804



46.1477, 0.3033, 0.2546



46.1477, 0.3680, 0.4295

Square

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



46.1477, 0.3033, 0.2546



46.1477, 0.4245, 0.3673



46.1477, 0.3140, 0.4218



46.1477, 0.2124, 0.2754

Rectangle

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



46.1477, 0.3033, 0.2546



46.1477, 0.3936, 0.3096



46.1477, 0.3140, 0.4218



46.1477, 0.2359, 0.3426

Sweetspot

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



46.1497, 0.3033, 0.2546



85.2472, 0.3103, 0.3066



45.4421, 0.2643, 0.2654



17.7707, 0.3099, 0.3029



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.



46.1497, 0.3033, 0.2546



52.0215, 0.3005, 0.2375



47.5736, 0.3310, 0.2752



14.4417, 0.3102, 0.3056



8.6380, 0.2642, 0.1229



0.6788, 0.2729, 0.1277

Inverse Universe

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



46.0638, 0.3619, 0.3119



51.9867, 0.3773, 0.3080



67.1410, 0.2984, 0.3897



14.4213, 0.3257, 0.3237



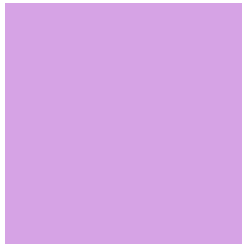
9.6808, 0.5994, 0.3076



0.7293, 0.5586, 0.2851

Previews

White Background



This preview shows how the Yxy color 46.1477, 0.3033, 0.2546 looks on a white background.

Color Contrast Check

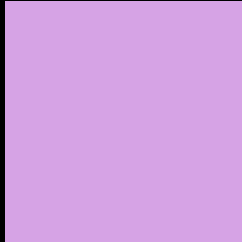
Large Text (above 18pt) WCAG AA × Fail

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 46.1477, 0.3033, 0.2546 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

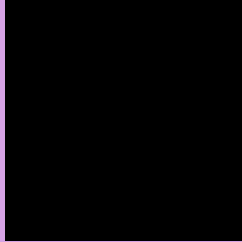
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.1477, 0.3033, 0.2546

Background



This preview shows how black text looks on a background with the Yxy color 46.1477, 0.3033, 0.2546.



This preview shows how white text looks on a background with the Yxy color 46.1477, 0.3033, 0.2546.

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

46.1477, 0.3033, 0.2546

Protanopia

46.4836, 0.2578, 0.2533

Deuteranopia

46.5619, 0.2756, 0.2699



Tritanopia

46.0385, 0.3343, 0.3120

Trichromacy



Original Color

46.1477, 0.3033, 0.2546

Protanomaly

45.9466, 0.2723, 0.2527

Deuteranomaly

46.3803, 0.2853, 0.2644

Tritanomaly

45.9239, 0.3226, 0.2898

Monochromacy



Original Color

46.1477, 0.3033, 0.2546

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

47.8408, 0.3090, 0.2996

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1477, 0.3033, 0.2546 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(214, 163, 229)` looks like.

```
.text, #text, p{  
    color:rgb(214, 163, 229)  
}
```

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(214, 163, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 163, 229) }
```

Border

The CSS property to change the border of an element to Yxy 46.1477, 0.3033, 0.2546 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(214, 163, 229) }
```

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

```
.border{ border-color:rgb(214, 163, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 163, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 163, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 163, 229);  
box-shadow:4px 4px 4px 4px rgb(214, 163,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1477, 0.3033, 0.2546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 163, 229) }
```

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

```
.background{ background-color: rgb(214,  
163, 229) }
```

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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