

Converting Colors

$Y_{xy}(46.7723, 0.3162, 0.2561)$

Have a look what the booklet for
Yxy(46.7723, 0.3162, 0.2561)
contains.

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Color

Yxy(46.8013, 0.3161, 0.2566)

Conversions

Conversions Part 1

Format	Color
Hex	E2A0E2
RGB	226, 160, 226
RGB Percent	89%, 63%, 89%
CMY	0.1138, 0.3725, 0.1138
CMYK	0.00, 0.29, 0.00, 0.11
HSL	300°, 53%, 76%
HSV	300°, 29%, 89%
XYZ	57.6535, 46.8013, 77.9353
YIQ	187.2580, 18.1500, 34.5180

Conversions

Conversions Part 2

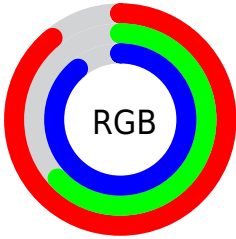
Format	Color
R _Y B	226, 160, 226
Decimal	14852322
CIE Lab	74.06, 35.05, -23.62
CIE LCh	74, 42.270, 326.021
Yxy	46.8013, 0.3161, 0.2566
Android (android.graphics.Color)	4293042402 (0xFFE2A0E2)
YUV	187.2580, 19.0998, 33.9767
Hunter-Lab	68.4115, 30.7101, -19.6559

Details

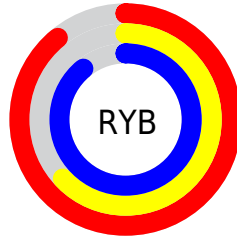
The Yxy color **46.8013, 0.3161, 0.2566** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **64.4009, 0.3087, 0.4139**, and the grayscale version is **49.7304, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0809, 0.3145, 0.2900**, and **22.0017, 0.3158, 0.2381** is the 20% darker color. If you saturate the color by 10%, you get **39.6653, 0.3172, 0.2326**, and if you desaturate by 10%, it is **55.3655, 0.3149, 0.2815**.

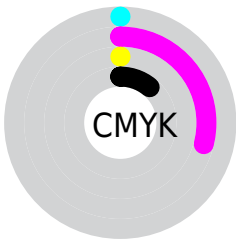
Distribution



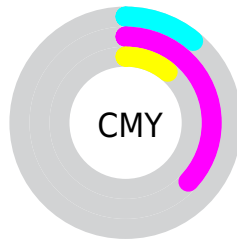
- Red (89%)
- Green (63%)
- Blue (89%)



- Red (89%)
- Yellow (63%)
- Blue (89%)



- Cyan (0%)
- Magenta (29%)
- Yellow (0%)
- Black (11%)





- Cyan (11%)
- Magenta (37%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.8013, 0.3161, 0.2566 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 46.8013, 0.3161, 0.2566 by changing the saturation by 10% instead.


 46.8013, 0.3161,
0.2566

 46.8013, 0.3161,
0.2566


374.0208, 0.3153,
0.2905

 32.8786, 0.3161,
0.2488


 85.4170, 0.3160,
0.2684

 22.0335, 0.3160,
0.2391


 110.8787, 0.3159,
0.2730

 13.8815, 0.3156,
0.2269


140.9556, 0.3158,
0.2770

 8.0383, 0.3148,
0.2108

176.0320, 0.3157,
0.2804

 4.1195, 0.3130,
0.1892

216.4923, 0.3156,
0.2834

 1.7406, 0.3090,
0.1585

262.7210, 0.3155,

 0.4497, 0.3033,

0.2860

0.1000

315.1024, 0.3154,
0.2884

0.0000, 0.1979,
0.0000

0.0000, 0.0000,
0.0000

46.8013, 0.3161,
0.2566

46.8013, 0.3161,
0.2566

39.6653, 0.3172,
0.2326

55.3655, 0.3149,
0.2815

33.8741, 0.3182,
0.2106

65.4232, 0.3138,
0.3065


29.3454, 0.3191,
0.1914


77.0429, 0.3126,
0.3309


25.9849, 0.3199,
0.1759


90.2874, 0.3115,
0.3542


 23.6856, 0.3204,
0.1646


 93.1783, 0.3113,
0.3588


 22.3206, 0.3207,
0.1576


 93.1791, 0.3113,
0.3588

 21.6884, 0.3209,
0.1543

 93.1799, 0.3113,
0.3588

 21.6486, 0.3209,
0.1541

 93.1807, 0.3113,
0.3588

 93.1815, 0.3113,
0.3588

Harmonies

Analogous

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



46.8013, 0.2608, 0.2385



46.8013, 0.3161, 0.2566



46.8013, 0.3757, 0.2901

Triad

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



46.8013, 0.3161, 0.2566



46.8013, 0.4063, 0.4179



46.8013, 0.2164, 0.3101

Complementary

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



46.8013, 0.3161, 0.2566



64.4009, 0.3087, 0.4139

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.



46.8013, 0.2492, 0.3702



46.8013, 0.3161, 0.2566



46.8013, 0.3584, 0.4367

Square

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



46.8013, 0.3161, 0.2566



46.8013, 0.4298, 0.3788



46.8013, 0.3008, 0.4203



46.8013, 0.2076, 0.2637

Rectangle

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



46.8013, 0.3161, 0.2566



46.8013, 0.4077, 0.3182



46.8013, 0.3008, 0.4203



46.8013, 0.2248, 0.3295

Sweetspot

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



46.8034, 0.3161, 0.2566



86.2204, 0.3138, 0.3069



38.4980, 0.2616, 0.2457



18.0122, 0.3139, 0.3032



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.



46.8034, 0.3161, 0.2566



55.6579, 0.3168, 0.2419



45.2152, 0.3444, 0.2900



13.9355, 0.3138, 0.3059



12.3524, 0.3209, 0.1541



0.8563, 0.3209, 0.1541

Inverse Universe

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



43.8548, 0.3774, 0.3292



51.1864, 0.3968, 0.3292



65.6622, 0.2898, 0.3717



13.7006, 0.3292, 0.3290



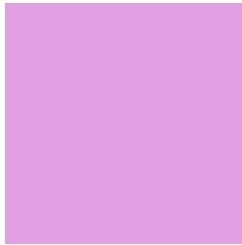
9.2244, 0.6400, 0.3300



0.6394, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 46.8013, 0.3161, 0.2566 looks on a white background.

Color Contrast Check

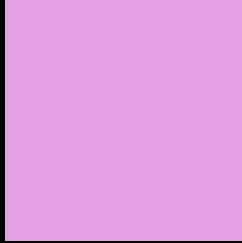
Large Text (above 18pt) WCAG AA × Fail

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 46.8013, 0.3161, 0.2566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

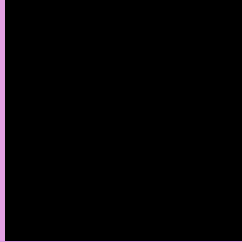
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.8013, 0.3161, 0.2566

Background



This preview shows how black text looks on a background with the Yxy color 46.8013, 0.3161, 0.2566.

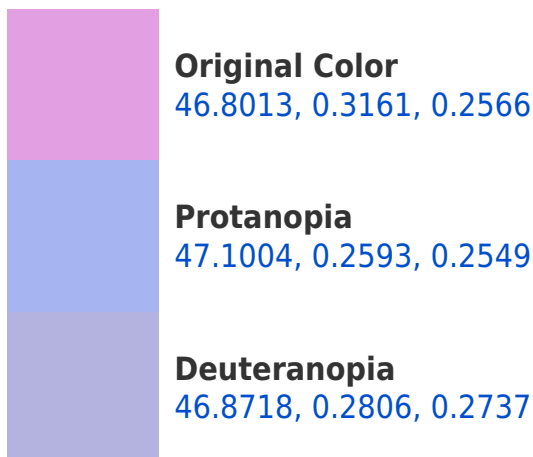


This preview shows how white text looks on a background with the Yxy color 46.8013, 0.3161, 0.2566.

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





Tritanopia

46.9690, 0.3484, 0.3138

Trichromacy



Original Color

46.8013, 0.3161, 0.2566



Protanomaly

46.6346, 0.2775, 0.2546



Deuteranomaly

46.3780, 0.2930, 0.2662



Tritanomaly

46.8792, 0.3362, 0.2921

Monochromacy



Original Color

46.8013, 0.3161, 0.2566



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

48.0788, 0.3141, 0.2999

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8013, 0.3161, 0.2566 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, 160, 226)` looks like.

```
.text, #text, p{  
    color:rgb(226, 160, 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(226, 160, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 160, 226) }
```

Border

The CSS property to change the border of an element to Yxy 46.8013, 0.3161, 0.2566 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, 160, 226) }
```

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

```
.border{ border-color:rgb(226, 160, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 160, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 160, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 160, 226); box-shadow:4px 4px 4px 4px rgb(226, 160, 226) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8013, 0.3161, 0.2566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 160, 226) }
```

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

```
.background{ background-color: rgb(226,  
160, 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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