

Converting Colors

$Y_{xy}(47.5414, 0.2852, 0.2153)$

Have a look what the booklet for
Yxy(47.5414, 0.2852, 0.2153)
contains.

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Color

Yxy(46.8314, 0.2934, 0.2247)

Conversions

Conversions Part 1

Format	Color
Hex	E29BFF
RGB	226, 155, 255
RGB Percent	89%, 61%, 100%
CMY	0.1135, 0.3923, 0.0000
CMYK	0.11, 0.39, 0.00, 0.00
HSL	283°, 100%, 80%
HSV	283°, 39%, 100%
XYZ	61.1497, 46.8314, 100.4364
YIQ	187.6290, 10.2160, 46.1520

Conversions

Conversions Part 2

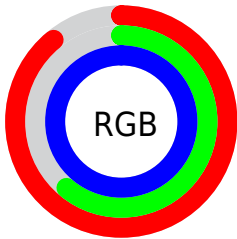
Format	Color
R _Y B	226, 155, 255
Decimal	14851071
CIE Lab	74.08, 43.36, -39.38
CIE LCh	74, 58.568, 317.755
Yxy	46.8314, 0.2934, 0.2247
Android (android.graphics.Color)	4293041151 (0xFFE29BFF)
YUV	187.6290, 33.2139, 33.6514
Hunter-Lab	68.4335, 39.7426, -39.1135

Details

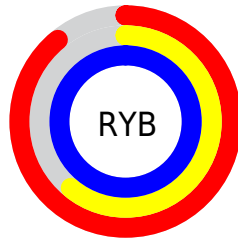
The Yxy color **46.8314, 0.2934, 0.2247** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **84.0662, 0.3242, 0.4437**, and the grayscale version is **49.8729, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0685, 0.3147, 0.2861**, and **22.0150, 0.2863, 0.2013** is the 20% darker color. If you saturate the color by 10%, you get **38.0561, 0.2866, 0.1980**, and if you desaturate by 10%, it is **57.4518, 0.2995, 0.2522**.

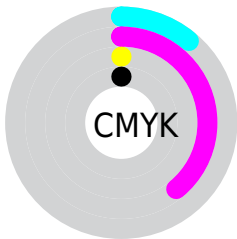
Distribution



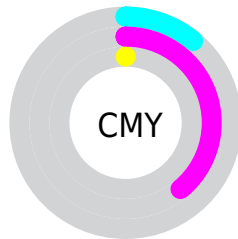
- Red (89%)
- Green (61%)
- Blue (100%)



- Red (89%)
- Yellow (61%)
- Blue (100%)



- Cyan (11%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)




- Cyan (11%)
- Magenta (39%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8314, 0.2934, 0.2247 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 46.8314, 0.2934, 0.2247 by changing the saturation by 10% instead.


 46.8314, 0.2934,
0.2247

 46.8314, 0.2934,
0.2247


374.1411, 0.3043,
0.2720

 32.9024, 0.2905,
0.2143


 85.4619, 0.2976,
0.2408

 22.0517, 0.2866,
0.2016


 110.9322, 0.2991,
0.2472

 13.8949, 0.2814,
0.1861


141.0183, 0.3003,
0.2527

 8.0476, 0.2740,
0.1665

176.1048, 0.3014,
0.2575

 4.1254, 0.2631,
0.1414

216.5759, 0.3023,
0.2618

 1.7440, 0.2458,
0.1089

262.8160, 0.3030,

 0.4519, 0.2184,

0.2656

0.0592

315.2097, 0.3037,
0.2689

■ 0.0000, 0.1490,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.8314, 0.2934,
0.2247

■ 46.8314, 0.2934,
0.2247

■ 38.0561, 0.2866,
0.1980

■ 57.4518, 0.2995,
0.2522

■ 31.0087, 0.2792,
0.1733

■ 70.0189, 0.3048,
0.2796

■ 25.5625, 0.2713,
0.1518

■ 84.6302, 0.3092,
0.3060

■ 21.5723, 0.2634,
0.1345

100.0000, 0.3127,
0.3290

■ 18.8652, 0.2555,
0.1221

■ 17.1814, 0.2480,
0.1142

■ 17.0692, 0.2474,
0.1137

Harmonies

Analogous

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



46.8314, 0.2256, 0.2074



46.8314, 0.2934, 0.2247



46.8314, 0.3771, 0.2627

Triad

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



46.8314, 0.2934, 0.2247



46.8314, 0.4505, 0.4313



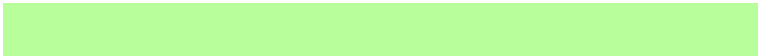
46.8314, 0.1922, 0.3219

Complementary

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



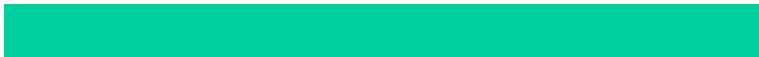
46.8314, 0.2934, 0.2247



84.0662, 0.3242, 0.4437

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.



46.8314, 0.2417, 0.4103



46.8314, 0.2934, 0.2247



46.8314, 0.3908, 0.4735

Square

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



46.8314, 0.2934, 0.2247



46.8314, 0.4743, 0.3734



46.8314, 0.3144, 0.4719



46.8314, 0.1738, 0.2520

Rectangle

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



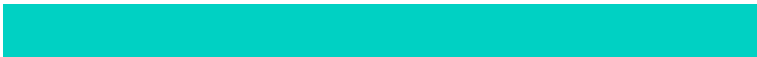
46.8314, 0.2934, 0.2247



46.8314, 0.4278, 0.2963



46.8314, 0.3144, 0.4719



46.8314, 0.2053, 0.3511

Sweetspot

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



46.8324, 0.2934, 0.2247



80.3657, 0.3081, 0.2988



48.8770, 0.2455, 0.2453



16.7839, 0.3075, 0.2953



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.



46.8324, 0.2934, 0.2247



39.8553, 0.2882, 0.2038



50.6925, 0.3340, 0.2492



18.0209, 0.3091, 0.3052



8.9991, 0.2486, 0.1143



0.9321, 0.2571, 0.1190

Inverse Universe

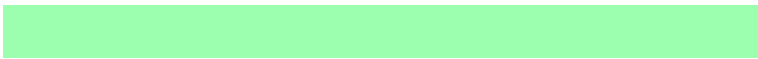
The Inverse Universe completely reimagines the original color for something new.



48.1520, 0.3824, 0.2989



41.5257, 0.4036, 0.2932



81.5805, 0.2971, 0.4252



18.0735, 0.3249, 0.3221



11.3879, 0.5806, 0.2972



1.1268, 0.5486, 0.2796

Previews

White Background



This preview shows how the Yxy color 46.8314, 0.2934, 0.2247 looks on a white background.

Color Contrast Check

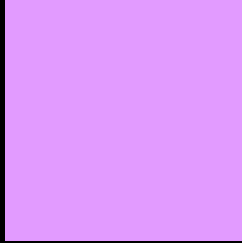
Large Text (above 18pt) WCAG AA × Fail

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 46.8314, 0.2934, 0.2247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

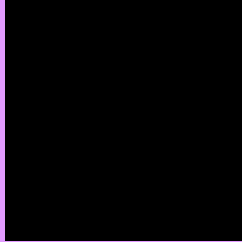
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.8314, 0.2934, 0.2247

Background



This preview shows how black text looks on a background with the Yxy color 46.8314, 0.2934, 0.2247.



This preview shows how white text looks on a background with the Yxy color 46.8314, 0.2934, 0.2247.

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

46.8314, 0.2934, 0.2247

Protanopia

47.2334, 0.2470, 0.2397

Deuteranopia

47.1217, 0.2509, 0.2449



Tritanopia

46.6154, 0.3427, 0.3135

Trichromacy



Original Color

46.8314, 0.2934, 0.2247



Protanomaly

46.4131, 0.2615, 0.2328



Deuteranomaly

46.4684, 0.2648, 0.2360

Tritanomaly

46.5738, 0.3240, 0.2785

Monochromacy



Original Color

46.8314, 0.2934, 0.2247



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

48.3607, 0.3063, 0.2861

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8314, 0.2934, 0.2247 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, 155, 255)` looks like.

```
.text, #text, p{  
    color:rgb(226, 155, 255)  
}
```

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, 155, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 155, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.8314, 0.2934, 0.2247 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, 155, 255) }
```

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

```
.border{ border-color:rgb(226, 155, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 155, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 155, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 155, 255);  
box-shadow:4px 4px 4px 4px rgb(226, 155,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8314, 0.2934, 0.2247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 155, 255) }
```

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

```
.background{ background-color: rgb(226,  
155, 255) }
```

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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