

Converting Colors

Yxy(34.4597, 0.3018, 0.2082)

Have a look what the booklet for
Yxy(34.4597, 0.3018, 0.2082)
contains.

Yxy(34.4012, 0.3021, 0.2079)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(34.4012, 0.3021, 0.2079)

Conversions

Conversions Part 1

Format	Color
Hex	D87AE9
RGB	216, 122, 233
RGB Percent	85%, 48%, 91%
CMY	0.1529, 0.5216, 0.0864
CMYK	0.07, 0.48, 0.00, 0.09
HSL	291°, 72%, 70%
HSV	291°, 48%, 91%
XYZ	49.9885, 34.4012, 81.0803
YIQ	162.7600, 20.3930, 54.4490

Conversions

Conversions Part 2

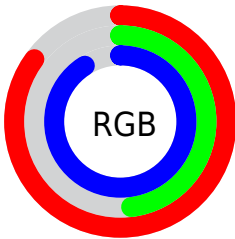
Format	Color
R _Y B	216, 122, 233
Decimal	14187241
CIE Lab	65.28, 53.25, -41.14
CIE LCh	65, 67.294, 322.311
Yxy	34.4012, 0.3021, 0.2079
Android (android.graphics.Color)	4292377321 (0xFFD87AE9)
YUV	162.7600, 34.6283, 46.6915
Hunter-Lab	58.6525, 49.4903, -40.9047

Details

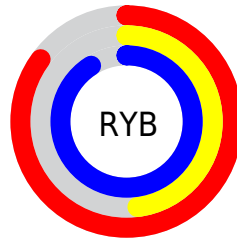
The Yxy color **34.4012, 0.3021, 0.2079** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **65.1563, 0.3156, 0.4751**, and the grayscale version is **36.3343, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.9243, 0.3163, 0.2527**, and **14.8015, 0.2959, 0.1798** is the 20% darker color. If you saturate the color by 10%, you get **28.8147, 0.2987, 0.1854**, and if you desaturate by 10%, it is **41.3736, 0.3051, 0.2326**.

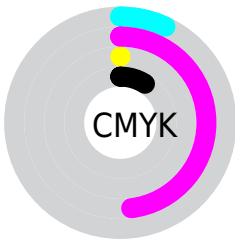
Distribution



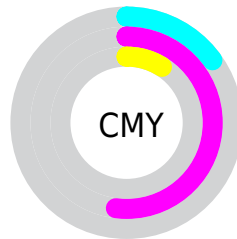
- Red (85%)
- Green (48%)
- Blue (91%)



- Red (85%)
- Yellow (48%)
- Blue (91%)



- Cyan (7%)
- Magenta (48%)
- Yellow (0%)
- Black (9%)



- Cyan (15%)
- Magenta (52%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.4012, 0.3021, 0.2079 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 34.4012, 0.3021, 0.2079 by changing the saturation by 10% instead.

 34.4012, 0.3021,
0.2079


 34.4012, 0.3021,
0.2079


321.9173, 0.3097,
0.2644


 23.2020, 0.2996,
0.1951


 66.5571, 0.3053,
0.2275

 14.7427, 0.2961,
0.1796


 88.2825, 0.3064,
0.2351

 8.6390, 0.2910,
0.1602


 114.2855, 0.3073,
0.2417

 4.5065, 0.2831,
0.1358

144.9504, 0.3080,
0.2474

 1.9607, 0.2703,
0.1048

180.6617, 0.3086,
0.2524

 0.5845, 0.2486,
0.0627

221.8036, 0.3090,

 0.0000, 0.2097,

0.2569

0.0000

268.7607, 0.3094,
0.2609

■ 0.0000, 0.0000,
0.0000

■ 34.4012, 0.3021,
0.2079

■ 34.4012, 0.3021,
0.2079

■ 28.8147, 0.2987,
0.1854

■ 41.3736, 0.3051,
0.2326

■ 24.5099, 0.2949,
0.1661

■ 49.8172, 0.3077,
0.2586

■ 21.3752, 0.2910,
0.1509

■ 59.8158, 0.3099,
0.2847

■ 19.2776, 0.2870,
0.1403

■ 71.4454, 0.3116,
0.3102

■ 18.0378, 0.2829,
0.1339

■ 84.7770, 0.3130,
0.3346

■ 17.8040, 0.2820,
0.1327

■ 95.4721, 0.3144,
0.3510

■ 96.0923, 0.3167,
0.3509

■ 96.7247, 0.3189,
0.3507

■ 97.3694, 0.3212,
0.3506

Harmonies

Analogous

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



34.4012, 0.2152, 0.1834



34.4012, 0.3021, 0.2079



34.4012, 0.4094, 0.2554

Triad

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



34.4012, 0.3021, 0.2079



34.4012, 0.4700, 0.4582



34.4012, 0.1588, 0.3005

Complementary

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



34.4012, 0.3021, 0.2079



65.1563, 0.3156, 0.4751

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.



34.4012, 0.2105, 0.4173



34.4012, 0.3021, 0.2079



34.4012, 0.3895, 0.5143

Square

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



34.4012, 0.3021, 0.2079



34.4012, 0.5129, 0.3867



34.4012, 0.2952, 0.5093



34.4012, 0.1447, 0.2215

Rectangle

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



34.4012, 0.3021, 0.2079



34.4012, 0.4711, 0.2959



34.4012, 0.2952, 0.5093



34.4012, 0.1717, 0.3369

Sweetspot

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



34.4027, 0.3021, 0.2079



78.2798, 0.3106, 0.2939



28.9203, 0.2265, 0.2036



16.1165, 0.3102, 0.2883



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.



34.4027, 0.3021, 0.2079



35.5851, 0.2988, 0.1861



35.2234, 0.3555, 0.2479



15.1904, 0.3114, 0.3056



10.1483, 0.2826, 0.1331



0.8284, 0.2882, 0.1361

Inverse Universe

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



33.1013, 0.4236, 0.3101



33.9985, 0.4606, 0.3074



64.9064, 0.2868, 0.4288



15.0916, 0.3269, 0.3254



9.9120, 0.6185, 0.3181



0.7898, 0.5846, 0.2994

Previews

White Background



This preview shows how the Yxy color 34.4012, 0.3021, 0.2079 looks on a white background.

Color Contrast Check

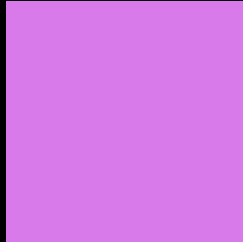
Large Text (above 18pt) WCAG AA × Fail

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 34.4012, 0.3021, 0.2079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

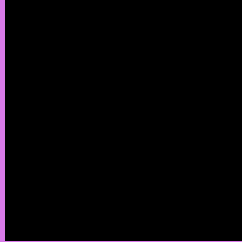
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.4012, 0.3021, 0.2079

Background



This preview shows how black text looks on a background with the Yxy color 34.4012, 0.3021, 0.2079.

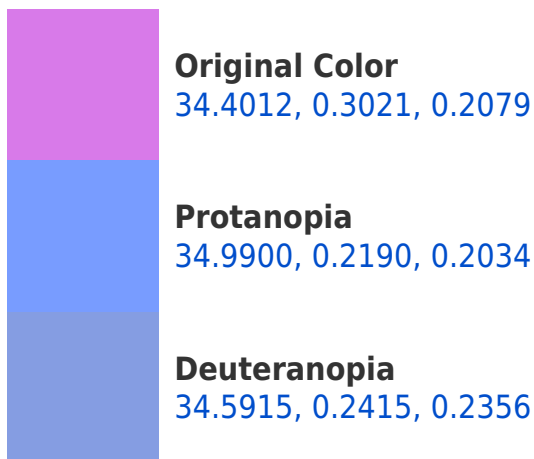


This preview shows how white text looks on a background with the Yxy color 34.4012, 0.3021, 0.2079.

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

34.2959, 0.3708, 0.3150

Trichromacy



Original Color

34.4012, 0.3021, 0.2079



Protanomaly

33.6305, 0.2422, 0.2023



Deuteranomaly

33.3902, 0.2595, 0.2210



Tritanomaly

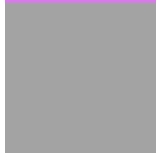
33.9417, 0.3450, 0.2713

Monochromacy



Original Color

34.4012, 0.3021, 0.2079



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

34.7557, 0.3093, 0.2760

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.4012, 0.3021, 0.2079 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(216, 122, 233)` looks like.

```
.text, #text, p{  
    color:rgb(216, 122, 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(216, 122, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 122, 233) }
```

Border

The CSS property to change the border of an element to Yxy 34.4012, 0.3021, 0.2079 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(216, 122, 233) }
```

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

```
.border{ border-color:rgb(216, 122, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 122, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 122, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 122, 233);  
box-shadow:4px 4px 4px 4px rgb(216, 122,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 34.4012, 0.3021, 0.2079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 122, 233) }
```

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

```
.background{ background-color: rgb(216,  
122, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor