

Converting Colors

$Yxy(36.8811, 0.3074, 0.2017)$

Have a look what the booklet for
Yxy(36.8811, 0.3074, 0.2017)
contains.

Yxy(36.8811, 0.3074, 0.2017)	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(36.8811, 0.3074, 0.2017)

Conversions

Conversions Part 1

Format	Color
Hex	E877F4
RGB	232, 119, 244
RGB Percent	91%, 47%, 96%
CMY	0.0902, 0.5333, 0.0430
CMYK	0.05, 0.51, 0.00, 0.04
HSL	294°, 85%, 71%
HSV	294°, 51%, 96%
XYZ	56.2085, 36.8811, 89.7617
YIQ	167.0370, 27.2230, 62.8310

Conversions

Conversions Part 2

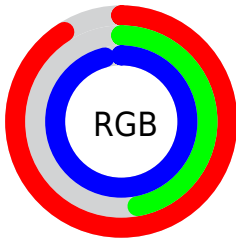
Format	Color
R _Y B	232, 119, 244
Decimal	15235060
CIE Lab	67.19, 61.12, -44.10
CIE LCh	67, 75.370, 324.185
Yxy	36.8811, 0.3074, 0.2017
Android (android.graphics.Color)	4293425140 (0xFFE877F4)
YUV	167.0370, 37.9428, 56.9726
Hunter-Lab	60.7298, 58.9335, -45.1227

Details

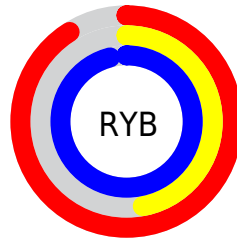
The Yxy color **36.8811, 0.3074, 0.2017** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **70.8731, 0.3114, 0.4899**, and the grayscale version is **38.4650, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.1399, 0.3164, 0.2508**, and **16.1415, 0.3033, 0.1736** is the 20% darker color. If you saturate the color by 10%, you get **31.4115, 0.3055, 0.1814**, and if you desaturate by 10%, it is **43.8499, 0.3090, 0.2249**.

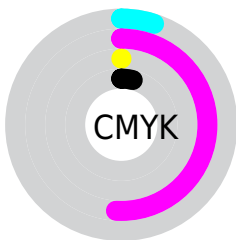
Distribution



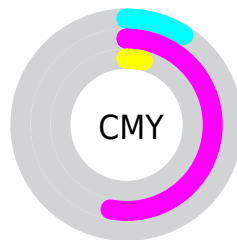
- Red (91%)
- Green (47%)
- Blue (96%)



- Red (91%)
- Yellow (47%)
- Blue (96%)



- Cyan (5%)
- Magenta (51%)
- Yellow (0%)
- Black (4%)





- Cyan (9%)
- Magenta (53%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.8811, 0.3074, 0.2017 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 36.8811, 0.3074, 0.2017 by changing the saturation by 10% instead.


 36.8811, 0.3074,
0.2017


 36.8811, 0.3074,
0.2017


332.7955, 0.3126,
0.2598


 25.1154, 0.3055,
0.1889


 70.3899, 0.3098,
0.2215

 16.1631, 0.3027,
0.1735


 92.9018, 0.3106,
0.2293

 9.6396, 0.2986,
0.1546


 119.7646, 0.3111,
0.2361

 5.1607, 0.2922,
0.1312

151.3626, 0.3116,
0.2420

 2.3418, 0.2817,
0.1019

188.0804, 0.3120,
0.2472

 0.7957, 0.2634,
0.0660

230.3021, 0.3122,

 0.0000, 0.2349,

0.2519

0.0000

278.4124, 0.3125,
0.2560

■ 0.0000, 0.0797,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.8811, 0.3074,
0.2017

■ 36.8811, 0.3074,
0.2017

■ 31.4115, 0.3055,
0.1814

■ 43.8499, 0.3090,
0.2249

■ 27.3197, 0.3033,
0.1647


■ 52.4172, 0.3104,
0.2498


■ 24.4735, 0.3010,
0.1524

■ 62.6797, 0.3114,
0.2755

■ 22.7123, 0.2986,
0.1445


■ 74.7246, 0.3122,
0.3012


 21.8378, 0.2964,
0.1407

 88.6335, 0.3127,
0.3260

 97.6600, 0.3135,
0.3397

 98.0870, 0.3150,
0.3397

 98.5193, 0.3164,
0.3396

 98.9571, 0.3179,
0.3396

Harmonies

Analogous

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



36.8811, 0.2120, 0.1741



36.8811, 0.3074, 0.2017



36.8811, 0.4251, 0.2530

Triad

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



36.8811, 0.3074, 0.2017



36.8811, 0.4752, 0.4693



36.8811, 0.1452, 0.2893

Complementary

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



36.8811, 0.3074, 0.2017



70.8731, 0.3114, 0.4899

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.



36.8811, 0.1964, 0.4177



36.8811, 0.3074, 0.2017



36.8811, 0.3861, 0.5322

Square

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



36.8811, 0.3074, 0.2017



36.8811, 0.5275, 0.3919



36.8811, 0.2849, 0.5252



36.8811, 0.1336, 0.2084

Rectangle

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



36.8811, 0.3074, 0.2017



36.8811, 0.4908, 0.2960



36.8811, 0.2849, 0.5252



36.8811, 0.1575, 0.3283

Sweetspot

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



36.8827, 0.3074, 0.2017



77.2864, 0.3119, 0.2915



26.8217, 0.2170, 0.1812



15.9393, 0.3117, 0.2861



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.



36.8827, 0.3074, 0.2017



34.7633, 0.3055, 0.1815



36.3255, 0.3695, 0.2502



16.6826, 0.3123, 0.3056



11.9049, 0.2968, 0.1409



1.0694, 0.3000, 0.1426

Inverse Universe

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



34.0690, 0.4462, 0.3166



31.4932, 0.4888, 0.3154



71.5015, 0.2814, 0.4269



16.5084, 0.3279, 0.3268



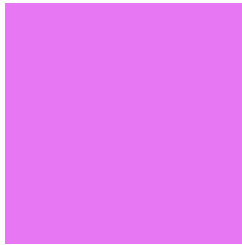
10.5012, 0.6292, 0.3240



0.9315, 0.6064, 0.3114

Previews

White Background



This preview shows how the Yxy color 36.8811, 0.3074, 0.2017 looks on a white background.

Color Contrast Check

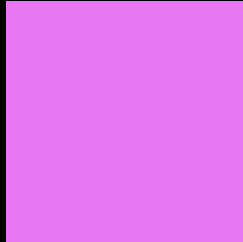
Large Text (above 18pt) WCAG AA × Fail

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 36.8811, 0.3074, 0.2017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

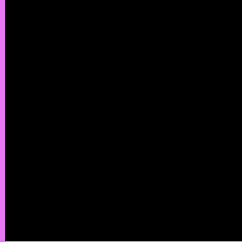
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.8811, 0.3074, 0.2017

Background



This preview shows how black text looks on a background with the Yxy color 36.8811, 0.3074, 0.2017.



This preview shows how white text looks on a background with the Yxy color 36.8811, 0.3074, 0.2017.

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

36.8811, 0.3074, 0.2017

Protanopia

37.2989, 0.2246, 0.2111

Deuteranopia

37.0477, 0.2384, 0.2321



Tritanopia

36.8286, 0.3862, 0.3171

Trichromacy



Original Color

36.8811, 0.3074, 0.2017



Protanomaly

35.6298, 0.2482, 0.2037



Deuteranomaly

35.3358, 0.2587, 0.2154



Tritanomaly

36.4003, 0.3562, 0.2700

Monochromacy



Original Color

36.8811, 0.3074, 0.2017



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

36.8292, 0.3116, 0.2716

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8811, 0.3074, 0.2017 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(232, 119, 244)` looks like.

```
.text, #text, p{  
    color:rgb(232, 119, 244)  
}
```

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(232, 119, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 119, 244) }
```

Border

The CSS property to change the border of an element to Yxy 36.8811, 0.3074, 0.2017 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(232, 119, 244) }
```

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

```
.border{ border-color:rgb(232, 119, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 119, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(232, 119, 244); -webkit-box-shadow:4px 4px 4px 4px rgb(232, 119, 244); box-shadow:4px 4px 4px 4px rgb(232, 119, 244) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8811, 0.3074, 0.2017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 119, 244) }
```

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

```
.background{ background-color: rgb(232,  
119, 244) }
```

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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