

Converting Colors

$Y_{xy}(36.2801, 0.3080, 0.2068)$

Have a look what the booklet for
Yxy(36.2801, 0.3080, 0.2068)
contains.

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Color

Yxy(36.1787, 0.3080, 0.2066)

Conversions

Conversions Part 1

Format	Color
Hex	E379EE
RGB	227, 121, 238
RGB Percent	89%, 47%, 93%
CMY	0.1099, 0.5253, 0.0668
CMYK	0.05, 0.49, 0.00, 0.07
HSL	294°, 77%, 70%
HSV	294°, 49%, 93%
XYZ	53.9353, 36.1787, 85.0007
YIQ	166.0320, 25.6190, 58.8590

Conversions

Conversions Part 2

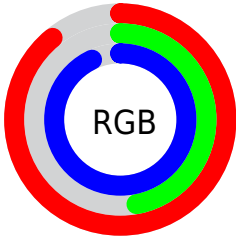
Format	Color
R _Y B	227, 121, 238
Decimal	14907886
CIE _{Lab}	66.66, 57.67, -41.64
CIE _{LCh}	67, 71.137, 324.168
Y _{xy}	36.1787, 0.3080, 0.2066
Android (android.graphics.Color)	4293097966 (0xFFE379EE)
Y _{UV}	166.0320, 35.4802, 53.4689
Hunter-Lab	60.1487, 54.8006, -41.6830

Details

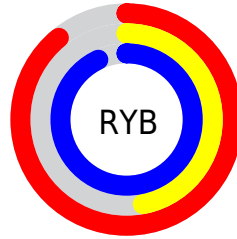
The Yxy color **36.1787, 0.3080, 0.2066** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **67.4179, 0.3115, 0.4823**, and the grayscale version is **37.9694, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.9243, 0.3163, 0.2527**, and **15.7088, 0.3028, 0.1778** is the 20% darker color. If you saturate the color by 10%, you get **30.7287, 0.3062, 0.1856**, and if you desaturate by 10%, it is **43.0629, 0.3095, 0.2302**.

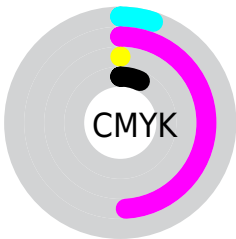
Distribution



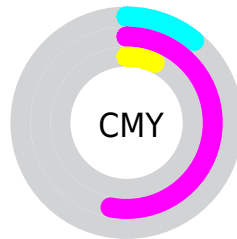
- Red (89%)
- Green (47%)
- Blue (93%)



- Red (89%)
- Yellow (47%)
- Blue (93%)



- Cyan (5%)
- Magenta (49%)
- Yellow (0%)
- Black (7%)





- Cyan (11%)
- Magenta (53%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.1787, 0.3080, 0.2066 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 36.1787, 0.3080, 0.2066 by changing the saturation by 10% instead.

 36.1787, 0.3080,
0.2066

 36.1787, 0.3080,
0.2066


329.7409, 0.3128,
0.2630


 24.5722, 0.3062,
0.1940


 69.3078, 0.3102,
0.2260

 15.7586, 0.3036,
0.1787


 91.5992, 0.3109,
0.2336

 9.3535, 0.2998,
0.1599


 118.2211, 0.3114,
0.2402

 4.9725, 0.2936,
0.1363

149.5578, 0.3118,
0.2459

 2.2311, 0.2834,
0.1064

185.9937, 0.3121,
0.2510

 0.7369, 0.2653,
0.0686

227.9133, 0.3124,

 0.0000, 0.2360,

0.2554

0.0000

275.7009, 0.3126,
0.2594

■ 0.0000, 0.0028,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.1787, 0.3080,
0.2066

■ 36.1787, 0.3080,
0.2066

■ 30.7287, 0.3062,
0.1856

■ 43.0629, 0.3095,
0.2302

■ 26.6015, 0.3042,
0.1682


■ 51.4726, 0.3107,
0.2553


■ 23.6767, 0.3019,
0.1549


■ 61.4969, 0.3116,
0.2810


■ 21.8102, 0.2996,
0.1461


■ 73.2168, 0.3123,
0.3065


 20.7796, 0.2972,
0.1413

 86.7079, 0.3127,
0.3311

 20.7055, 0.2970,
0.1410

 96.2855, 0.3134,
0.3459

 96.6806, 0.3148,
0.3458

 97.0805, 0.3162,
0.3457

 97.4853, 0.3176,
0.3457

Harmonies

Analogous

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



36.1787, 0.2164, 0.1799



36.1787, 0.3080, 0.2066



36.1787, 0.4197, 0.2564

Triad

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



36.1787, 0.3080, 0.2066



36.1787, 0.4699, 0.4655



36.1787, 0.1519, 0.2922

Complementary

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



36.1787, 0.3080, 0.2066



67.4179, 0.3115, 0.4823

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.



36.1787, 0.2021, 0.4131



36.1787, 0.3080, 0.2066



36.1787, 0.3849, 0.5231

Square

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



36.1787, 0.3080, 0.2066



36.1787, 0.5185, 0.3916



36.1787, 0.2876, 0.5140



36.1787, 0.1401, 0.2140

Rectangle

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



36.1787, 0.3080, 0.2066



36.1787, 0.4821, 0.2983



36.1787, 0.2876, 0.5140



36.1787, 0.1641, 0.3293

Sweetspot

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



36.1803, 0.3080, 0.2066



77.3008, 0.3119, 0.2915



26.9404, 0.2215, 0.1884



15.9428, 0.3118, 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.



36.1803, 0.3080, 0.2066



35.9055, 0.3062, 0.1855



35.6253, 0.3661, 0.2532



15.9514, 0.3123, 0.3056



11.5864, 0.2974, 0.1412



0.9857, 0.3007, 0.1430

Inverse Universe

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



33.5222, 0.4378, 0.3173



32.5965, 0.4802, 0.3159



68.0156, 0.2823, 0.4219



15.7830, 0.3279, 0.3268



10.1823, 0.6293, 0.3241



0.8552, 0.6057, 0.3110

Previews

White Background



This preview shows how the Yxy color 36.1787, 0.3080, 0.2066 looks on a white background.

Color Contrast Check

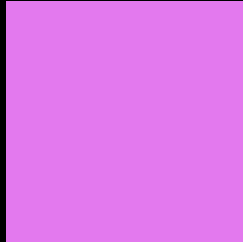
Large Text (above 18pt) WCAG AA × Fail

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 36.1787, 0.3080, 0.2066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

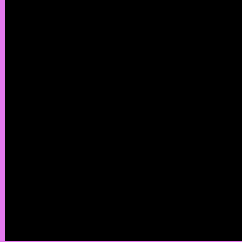
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.1787, 0.3080, 0.2066

Background



This preview shows how black text looks on a background with the Yxy color 36.1787, 0.3080, 0.2066.

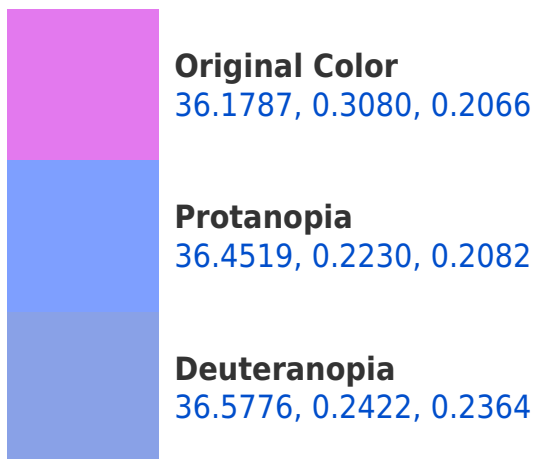


This preview shows how white text looks on a background with the Yxy color 36.1787, 0.3080, 0.2066.

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

36.2119, 0.3821, 0.3169

Trichromacy



Original Color

36.1787, 0.3080, 0.2066



Protanomaly

34.8769, 0.2471, 0.2036



Deuteranomaly

35.0443, 0.2620, 0.2202



Tritanomaly

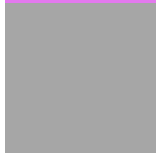
35.6847, 0.3543, 0.2714

Monochromacy



Original Color

36.1787, 0.3080, 0.2066



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

36.3098, 0.3114, 0.2747

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.1787, 0.3080, 0.2066 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(227, 121, 238)` looks like.

```
.text, #text, p{  
    color:rgb(227, 121, 238)  
}
```

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(227, 121, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 121, 238) }
```

Border

The CSS property to change the border of an element to Yxy 36.1787, 0.3080, 0.2066 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(227, 121, 238) }
```

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

```
.border{ border-color:rgb(227, 121, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 121, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 121, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 121, 238); box-shadow:4px 4px 4px 4px rgb(227, 121, 238) }
```


Background

The CSS property to change the background color of an element to Yxy 36.1787, 0.3080, 0.2066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 121, 238) }
```

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

```
.background{ background-color: rgb(227,  
121, 238) }
```

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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