

Converting Colors

Yxy(36.2882, 0.3165, 0.2084)

Have a look what the booklet for
Yxy(36.2882, 0.3165, 0.2084)
contains.

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Color

Yxy(36.2787, 0.3164, 0.2084)

Conversions

Conversions Part 1

Format	Color
Hex	E976EB
RGB	233, 118, 235
RGB Percent	91%, 46%, 92%
CMY	0.0863, 0.5372, 0.0783
CMYK	0.01, 0.50, 0.00, 0.08
HSL	299°, 75%, 69%
HSV	299°, 50%, 92%
XYZ	55.0796, 36.2787, 82.7238
YIQ	165.7230, 30.9830, 60.7670

Conversions

Conversions Part 2

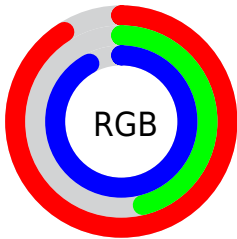
Format	Color
R _Y B	233, 118, 235
Decimal	15300331
CIE Lab	66.73, 60.25, -39.85
CIE LCh	67, 72.241, 326.517
Yxy	36.2787, 0.3164, 0.2084
Android (android.graphics.Color)	4293490411 (0xFFE976EB)
YUV	165.7230, 34.1536, 59.0019
Hunter-Lab	60.2318, 57.8254, -39.2680

Details

The Yxy color **36.2787, 0.3164, 0.2084** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **64.7423, 0.3064, 0.4869**, and the grayscale version is **37.8152, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.7521, 0.3164, 0.2498**, and **15.8139, 0.3144, 0.1805** is the 20% darker color. If you saturate the color by 10%, you get **31.3481, 0.3168, 0.1891**, and if you desaturate by 10%, it is **42.5916, 0.3158, 0.2306**.

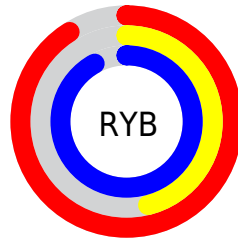
Distribution



Red (91%)

Green (46%)

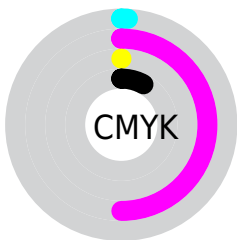
Blue (92%)



Red (91%)

Yellow (46%)

Blue (92%)

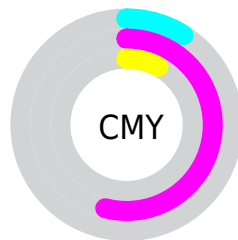


Cyan (1%)

Magenta (50%)

Yellow (0%)

Black (8%)



Cyan (9%)


Magenta (54%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.2787, 0.3164, 0.2084 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 36.2787, 0.3164, 0.2084 by changing the saturation by 10% instead.


 36.2787, 0.3164,
0.2084


 36.2787, 0.3164,
0.2084


330.1771, 0.3169,
0.2640

 24.6495, 0.3156,
0.1960


 69.4620, 0.3171,
0.2275

 15.8161, 0.3144,
0.1809


 91.7849, 0.3172,
0.2350

 9.3941, 0.3122,
0.1622


 118.4412, 0.3172,
0.2415

 4.9991, 0.3083,
0.1388

149.8153, 0.3172,
0.2472

 2.2468, 0.3012,
0.1090

186.2915, 0.3172,
0.2521

 0.7453, 0.2875,
0.0711

228.2543, 0.3171,

 0.0000, 0.2653,

0.2566

0.0000

276.0880, 0.3170,
0.2605

■ 0.0000, 0.0585,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.2787, 0.3164,
0.2084

■ 36.2787, 0.3164,
0.2084

■ 31.3481, 0.3168,
0.1891

■ 42.5916, 0.3158,
0.2306

■ 27.6905, 0.3170,
0.1735


■ 50.3756, 0.3152,
0.2547

■ 25.1883, 0.3170,
0.1622


■ 59.7177, 0.3144,
0.2798

■ 23.6998, 0.3168,
0.1552


■ 70.6969, 0.3136,
0.3050

 22.9891, 0.3165,
0.1518

 83.3867, 0.3127,
0.3295

 22.9771, 0.3165,
0.1517

 95.2601, 0.3120,
0.3490

 95.3303, 0.3123,
0.3490

 95.4007, 0.3125,
0.3490

 95.4712, 0.3128,
0.3490

Harmonies

Analogous

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



36.2787, 0.2211, 0.1794



36.2787, 0.3164, 0.2084



36.2787, 0.4296, 0.2602

Triad

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



36.2787, 0.3164, 0.2084



36.2787, 0.4656, 0.4722



36.2787, 0.1478, 0.2834

Complementary

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



36.2787, 0.3164, 0.2084



64.7423, 0.3064, 0.4869

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.



36.2787, 0.1951, 0.4042



36.2787, 0.3164, 0.2084



36.2787, 0.3778, 0.5282

Square

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



36.2787, 0.3164, 0.2084



36.2787, 0.5191, 0.3975



36.2787, 0.2793, 0.5121



36.2787, 0.1388, 0.2084

Rectangle

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



36.2787, 0.3164, 0.2084



36.2787, 0.4903, 0.3029



36.2787, 0.2793, 0.5121



36.2787, 0.1590, 0.3198

Sweetspot

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



36.2803, 0.3164, 0.2084



77.8503, 0.3140, 0.2917



23.7481, 0.2182, 0.1761



16.0767, 0.3142, 0.2864



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.



36.2803, 0.3164, 0.2084



37.4790, 0.3168, 0.1883



33.9389, 0.3762, 0.2604



15.2996, 0.3135, 0.3058



12.7896, 0.3166, 0.1518



1.0086, 0.3172, 0.1521

Inverse Universe

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



31.9837, 0.4516, 0.3272



31.7760, 0.4995, 0.3271



66.2918, 0.2780, 0.4123



15.0583, 0.3290, 0.3286



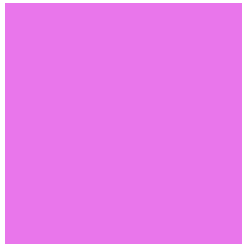
9.8367, 0.6382, 0.3289



0.7739, 0.6330, 0.3261

Previews

White Background



This preview shows how the Yxy color 36.2787, 0.3164, 0.2084 looks on a white background.

Color Contrast Check

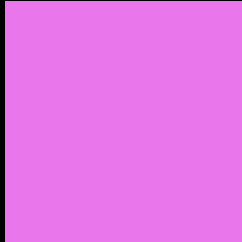
Large Text (above 18pt) WCAG AA × Fail

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 36.2787, 0.3164, 0.2084 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

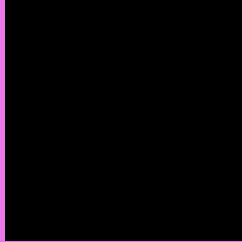
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.2787, 0.3164, 0.2084

Background



This preview shows how black text looks on a background with the Yxy color 36.2787, 0.3164, 0.2084.



This preview shows how white text looks on a background with the Yxy color 36.2787, 0.3164, 0.2084.

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

36.2787, 0.3164, 0.2084

Protanopia

36.8736, 0.2238, 0.2096

Deuteranopia

36.6112, 0.2465, 0.2412



Tritanopia

36.1648, 0.3928, 0.3172

Trichromacy



Original Color

36.2787, 0.3164, 0.2084



Protanomaly

35.1351, 0.2499, 0.2052



Deuteranomaly

34.9626, 0.2680, 0.2238



Tritanomaly

35.6966, 0.3643, 0.2726

Monochromacy



Original Color

36.2787, 0.3164, 0.2084



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

36.2036, 0.3143, 0.2749

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.2787, 0.3164, 0.2084 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(233, 118, 235)` looks like.

```
.text, #text, p{  
    color:rgb(233, 118, 235)  
}
```

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(233, 118, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 118, 235) }
```

Border

The CSS property to change the border of an element to Yxy 36.2787, 0.3164, 0.2084 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(233, 118, 235) }
```

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

```
.border{ border-color:rgb(233, 118, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 118, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 118, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 118, 235);  
box-shadow:4px 4px 4px 4px rgb(233, 118,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 36.2787, 0.3164, 0.2084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 118, 235) }
```

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

```
.background{ background-color: rgb(233,  
118, 235) }
```

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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