

Converting Colors

$Y_{xy}(36.4004, 0.3107, 0.2085)$

Have a look what the booklet for
Yxy(36.4004, 0.3107, 0.2085)
contains.

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Color

Yxy(36.4472, 0.3108, 0.2081)

Conversions

Conversions Part 1

Format	Color
Hex	E579ED
RGB	229, 121, 237
RGB Percent	90%, 47%, 93%
CMY	0.1019, 0.5255, 0.0707
CMYK	0.03, 0.49, 0.00, 0.07
HSL	296°, 76%, 70%
HSV	296°, 49%, 93%
XYZ	54.4344, 36.4472, 84.2612
YIQ	166.5160, 27.1320, 58.9720

Conversions

Conversions Part 2

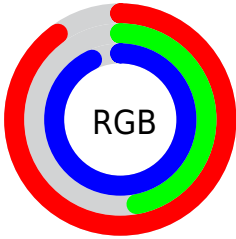
Format	Color
RYB	229, 121, 237
Decimal	15038957
CIELab	66.86, 58.07, -40.76
CIELCh	67, 70.943, 324.935
Yxy	36.4472, 0.3108, 0.2081
Android (android.graphics.Color)	4293229037 (0xFFE579ED)
YUV	166.5160, 34.7486, 54.7985
Hunter-Lab	60.3715, 55.2955, -40.4916

Details

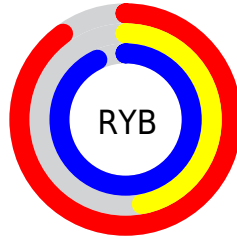
The Yxy color **36.4472, 0.3108, 0.2081** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **66.5946, 0.3098, 0.4824**, and the grayscale version is **38.2161, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.9243, 0.3163, 0.2527**, and **15.8906, 0.3066, 0.1799** is the 20% darker color. If you saturate the color by 10%, you get **31.1128, 0.3097, 0.1876**, and if you desaturate by 10%, it is **43.2016, 0.3116, 0.2313**.

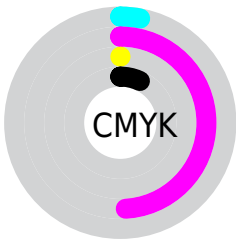
Distribution



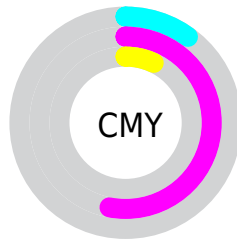
- Red (90%)
- Green (47%)
- Blue (93%)



- Red (90%)
- Yellow (47%)
- Blue (93%)



- Cyan (3%)
- Magenta (49%)
- Yellow (0%)
- Black (7%)




- Cyan (10%)
- Magenta (53%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.4472, 0.3108, 0.2081 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 36.4472, 0.3108, 0.2081 by changing the saturation by 10% instead.


 36.4472, 0.3108,
0.2081


 36.4472, 0.3108,
0.2081


330.9110, 0.3141,
0.2639


 24.7798, 0.3094,
0.1957


 69.7218, 0.3125,
0.2273

 15.9131, 0.3073,
0.1805


 92.0977, 0.3130,
0.2348

 9.4626, 0.3040,
0.1619


 118.8119, 0.3133,
0.2413

 5.0442, 0.2987,
0.1384

150.2487, 0.3136,
0.2469

 2.2732, 0.2896,
0.1087

186.7927, 0.3138,
0.2519

 0.7595, 0.2731,
0.0710

228.8281, 0.3139,

 0.0000, 0.2469,

0.2564

0.0000

276.7394, 0.3140,
0.2603

■ 0.0000, 0.0262,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.4472, 0.3108,
0.2081

■ 36.4472, 0.3108,
0.2081

■ 31.1128, 0.3097,
0.1876

■ 43.2016, 0.3116,
0.2313

■ 27.0882, 0.3085,
0.1706


■ 51.4660, 0.3122,
0.2562


■ 24.2548, 0.3070,
0.1578


■ 61.3286, 0.3125,
0.2817

■ 22.4704, 0.3054,
0.1494

■ 72.8693, 0.3127,
0.3070


 21.5202, 0.3037,
0.1449


 86.1628, 0.3127,
0.3316

 21.4383, 0.3035,
0.1446

 95.9427, 0.3130,
0.3469

 96.2267, 0.3140,
0.3469

 96.5132, 0.3150,
0.3468

 96.8023, 0.3160,
0.3468

Harmonies

Analogous

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



36.4472, 0.2187, 0.1808



36.4472, 0.3108, 0.2081



36.4472, 0.4219, 0.2583

Triad

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



36.4472, 0.3108, 0.2081



36.4472, 0.4675, 0.4669



36.4472, 0.1518, 0.2899

Complementary

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



36.4472, 0.3108, 0.2081



66.5946, 0.3098, 0.4824

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.



36.4472, 0.2009, 0.4094



36.4472, 0.3108, 0.2081



36.4472, 0.3824, 0.5230

Square

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



36.4472, 0.3108, 0.2081



36.4472, 0.5171, 0.3934



36.4472, 0.2854, 0.5113



36.4472, 0.1409, 0.2132

Rectangle

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



36.4472, 0.3108, 0.2081



36.4472, 0.4831, 0.3002



36.4472, 0.2854, 0.5113



36.4472, 0.1637, 0.3264

Sweetspot

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



36.4488, 0.3108, 0.2081



77.4824, 0.3126, 0.2916



26.3226, 0.2214, 0.1866



15.9870, 0.3126, 0.2862



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.



36.4488, 0.3108, 0.2081



36.5857, 0.3097, 0.1870



35.3347, 0.3680, 0.2555



15.2581, 0.3127, 0.3057



11.7318, 0.3038, 0.1447



0.9371, 0.3063, 0.1461

Inverse Universe

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



33.2598, 0.4406, 0.3206



32.5067, 0.4851, 0.3196



67.4918, 0.2814, 0.4187



15.0708, 0.3282, 0.3274



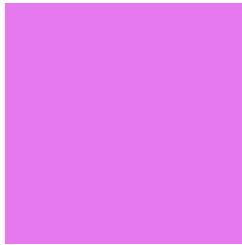
9.8574, 0.6326, 0.3259



0.7799, 0.6135, 0.3153

Previews

White Background



This preview shows how the Yxy color 36.4472, 0.3108, 0.2081 looks on a white background.

Color Contrast Check

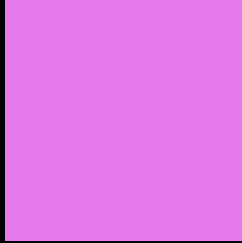
Large Text (above 18pt) WCAG AA × Fail

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 36.4472, 0.3108, 0.2081 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 36.4472, 0.3108, 0.2081

Background



This preview shows how black text looks on a background with the Yxy color 36.4472, 0.3108, 0.2081.

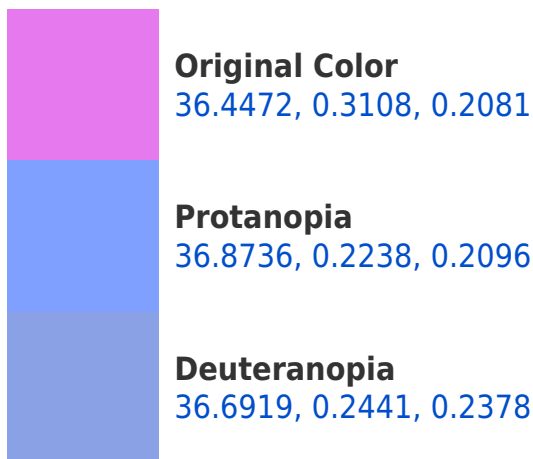


This preview shows how white text looks on a background with the Yxy color 36.4472, 0.3108, 0.2081.

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

36.2222, 0.3845, 0.3158

Trichromacy



Original Color

36.4472, 0.3108, 0.2081



Protanomaly

35.2276, 0.2485, 0.2059



Deuteranomaly

35.2116, 0.2643, 0.2216



Tritanomaly

35.9987, 0.3563, 0.2718

Monochromacy



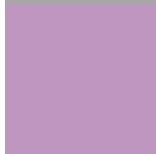
Original Color

36.4472, 0.3108, 0.2081



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

36.5656, 0.3133, 0.2750

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.4472, 0.3108, 0.2081 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(229, 121, 237)` looks like.

```
.text, #text, p{  
    color:rgb(229, 121, 237)  
}
```

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(229, 121, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 121, 237) }
```

Border

The CSS property to change the border of an element to Yxy 36.4472, 0.3108, 0.2081 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(229, 121, 237) }
```

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

```
.border{ border-color:rgb(229, 121, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 121, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 121, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 121, 237);  
box-shadow:4px 4px 4px 4px rgb(229, 121,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 36.4472, 0.3108, 0.2081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 121, 237) }
```

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

```
.background{ background-color: rgb(229,  
121, 237) }
```

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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