

Converting Colors

$Y_{xy}(36.5478, 0.3113, 0.2164)$

Have a look what the booklet for
Yxy(36.5478, 0.3113, 0.2164)
contains.

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Color

Yxy(36.5385, 0.3113, 0.2161)

Conversions

Conversions Part 1

Format	Color
Hex	E07EE7
RGB	224, 126, 231
RGB Percent	88%, 49%, 91%
CMY	0.1215, 0.5060, 0.0940
CMYK	0.03, 0.45, 0.00, 0.09
HSL	296°, 69%, 70%
HSV	296°, 45%, 91%
XYZ	52.6351, 36.5385, 79.9079
YIQ	167.2720, 24.7030, 53.4310

Conversions

Conversions Part 2

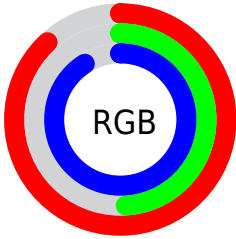
Format	Color
RYB	224, 126, 231
Decimal	14712551
CIELab	66.93, 53.14, -37.42
CIELCh	67, 64.995, 324.849
Yxy	36.5385, 0.3113, 0.2161
Android (android.graphics.Color)	4292902631 (0xFFE07EE7)
YUV	167.2720, 31.4179, 49.7505
Hunter-Lab	60.4471, 49.6487, -36.0653

Details

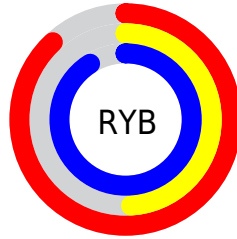
The Yxy color **36.5385, 0.3113, 0.2161** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **63.6654, 0.3101, 0.4699**, and the grayscale version is **38.6179, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5277, 0.3161, 0.2565**, and **15.9454, 0.3087, 0.1894** is the 20% darker color. If you saturate the color by 10%, you get **31.0540, 0.3104, 0.1946**, and if you desaturate by 10%, it is **43.3926, 0.3120, 0.2399**.

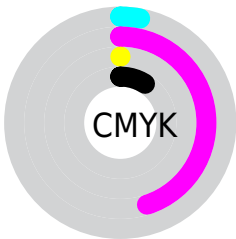
Distribution



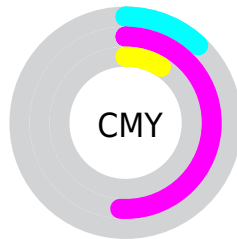
- Red (88%)
- Green (49%)
- Blue (91%)



- Red (88%)
- Yellow (49%)
- Blue (91%)



- Cyan (3%)
- Magenta (45%)
- Yellow (0%)
- Black (9%)





- Cyan (12%)
- Magenta (51%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.5385, 0.3113, 0.2161 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 36.5385, 0.3113, 0.2161 by changing the saturation by 10% instead.


 36.5385, 0.3113,
0.2161


 36.5385, 0.3113,
0.2161


331.3081, 0.3141,
0.2687

 24.8504, 0.3101,
0.2042


 69.8624, 0.3127,
0.2343

 15.9656, 0.3082,
0.1896


 92.2670, 0.3131,
0.2414

 9.4998, 0.3054,
0.1714


 119.0125, 0.3134,
0.2476

 5.0686, 0.3006,
0.1483

150.4834, 0.3136,
0.2529

 2.2876, 0.2924,
0.1185

187.0640, 0.3138,
0.2576

 0.7671, 0.2769,
0.0796


229.1387, 0.3139,


 0.0000, 0.2530,


0.2617


0.0000


277.0920, 0.3140,
0.2654


 0.0000, 0.0000,
0.0000

 36.5385, 0.3113,
0.2161


 36.5385, 0.3113,
0.2161


 31.0540, 0.3104,
0.1946


 43.3926, 0.3120,
0.2399


 26.8389, 0.3092,
0.1763


 51.6976, 0.3124,
0.2651


 23.7875, 0.3079,
0.1620


 61.5342, 0.3127,
0.2906

 21.7746, 0.3064,
0.1521


 72.9758, 0.3127,
0.3157


 20.6459, 0.3047,
0.1465


 86.0909, 0.3127,
0.3398

 20.3124, 0.3040,
0.1448

 94.6624, 0.3130,
0.3532

 94.9235, 0.3139,
0.3531

 95.1869, 0.3149,
0.3530

 95.4525, 0.3159,
0.3530

Harmonies

Analogous

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



36.5385, 0.2256, 0.1903



36.5385, 0.3113, 0.2161



36.5385, 0.4128, 0.2636

Triad

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



36.5385, 0.3113, 0.2161



36.5385, 0.4585, 0.4595



36.5385, 0.1631, 0.2947

Complementary

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



36.5385, 0.3113, 0.2161



63.6654, 0.3101, 0.4699

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.



36.5385, 0.2102, 0.4028



36.5385, 0.3113, 0.2161



36.5385, 0.3802, 0.5077

Square

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



36.5385, 0.3113, 0.2161



36.5385, 0.5022, 0.3919



36.5385, 0.2897, 0.4939



36.5385, 0.1518, 0.2226

Rectangle

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



36.5385, 0.3113, 0.2161



36.5385, 0.4687, 0.3034



36.5385, 0.2897, 0.4939



36.5385, 0.1746, 0.3281

Sweetspot

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



36.5401, 0.3113, 0.2161



78.8506, 0.3127, 0.2941



27.4603, 0.2288, 0.1984



16.2571, 0.3127, 0.2886



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.



36.5401, 0.3113, 0.2161



38.9520, 0.3104, 0.1949



35.5115, 0.3625, 0.2604



14.5637, 0.3127, 0.3058



11.4049, 0.3043, 0.1450



0.8576, 0.3069, 0.1464

Inverse Universe

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



33.6056, 0.4270, 0.3213



34.9226, 0.4675, 0.3202



64.5007, 0.2830, 0.4110



14.3835, 0.3282, 0.3275



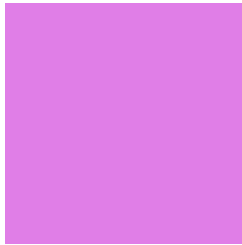
9.5506, 0.6327, 0.3259



0.7113, 0.6131, 0.3151

Previews

White Background



This preview shows how the Yxy color 36.5385, 0.3113, 0.2161 looks on a white background.

Color Contrast Check

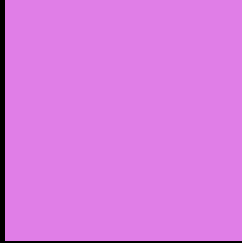
Large Text (above 18pt) WCAG AA × Fail

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 36.5385, 0.3113, 0.2161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

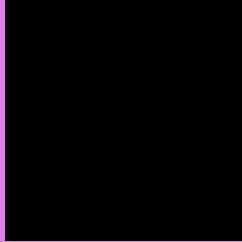
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.5385, 0.3113, 0.2161

Background



This preview shows how black text looks on a background with the Yxy color 36.5385, 0.3113, 0.2161.



This preview shows how white text looks on a background with the Yxy color 36.5385, 0.3113, 0.2161.

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

36.5385, 0.3113, 0.2161

Protanopia

36.9508, 0.2244, 0.2098

Deuteranopia

36.8553, 0.2505, 0.2440



Tritanopia

36.5758, 0.3771, 0.3168

Trichromacy



Original Color

36.5385, 0.3113, 0.2161



Protanomaly

35.6202, 0.2493, 0.2098



Deuteranomaly

35.6101, 0.2696, 0.2303



Tritanomaly

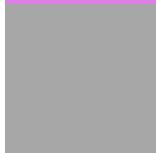
36.1741, 0.3527, 0.2756

Monochromacy



Original Color

36.5385, 0.3113, 0.2161



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

36.8655, 0.3131, 0.2797

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.5385, 0.3113, 0.2161 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(224, 126, 231)` looks like.

```
.text, #text, p{  
    color:rgb(224, 126, 231)  
}
```

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(224, 126, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 126, 231) }
```

Border

The CSS property to change the border of an element to Yxy 36.5385, 0.3113, 0.2161 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(224, 126, 231) }
```

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

```
.border{ border-color:rgb(224, 126, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 126, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 126, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 126, 231);  
box-shadow:4px 4px 4px 4px rgb(224, 126,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 36.5385, 0.3113, 0.2161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 126, 231) }
```

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

```
.background{ background-color: rgb(224,  
126, 231) }
```

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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