

Converting Colors

$Y_{xy}(36.6228, 0.3327, 0.2331)$

Have a look what the booklet for
Yxy(36.6228, 0.3327, 0.2331)
contains.

Yxy(36.5997, 0.3332, 0.2335)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.5997, 0.3332, 0.2335)

Conversions

Conversions Part 1

Format	Color
Hex	E67ED6
RGB	230, 126, 214
RGB Percent	90%, 49%, 84%
CMY	0.0981, 0.5058, 0.1609
CMYK	0.00, 0.45, 0.07, 0.10
HSL	309°, 68%, 70%
HSV	309°, 45%, 90%
XYZ	52.2271, 36.5997, 67.9171
YIQ	167.1280, 33.7360, 49.4160

Conversions

Conversions Part 2

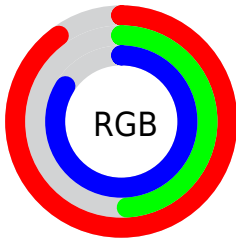
Format	Color
RYB	230, 126, 214
Decimal	15105750
CIELab	66.98, 51.88, -27.82
CIELCh	67, 58.870, 331.795
Yxy	36.5997, 0.3332, 0.2335
Android (android.graphics.Color)	4293295830 (0xFFE67ED6)
YUV	167.1280, 23.1079, 55.1387
Hunter-Lab	60.4977, 48.2264, -24.2130

Details

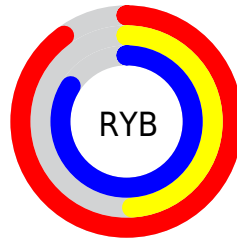
The Yxy color **36.5997, 0.3332, 0.2335** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **62.9790, 0.2978, 0.4488**, and the grayscale version is **38.5839, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5277, 0.3161, 0.2565**, and **15.9086, 0.3366, 0.2093** is the 20% darker color. If you saturate the color by 10%, you get **31.2005, 0.3390, 0.2151**, and if you desaturate by 10%, it is **43.3582, 0.3278, 0.2539**.

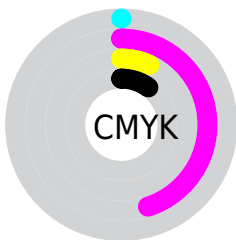
Distribution



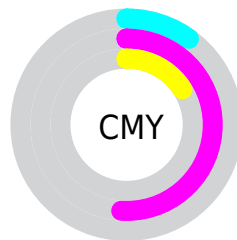
- Red (90%)
- Green (49%)
- Blue (84%)



- Red (90%)
- Yellow (49%)
- Blue (84%)



- Cyan (0%)
- Magenta (45%)
- Yellow (7%)
- Black (10%)




- Cyan (10%)
- Magenta (51%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.5997, 0.3332, 0.2335 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 36.5997, 0.3332, 0.2335 by changing the saturation by 10% instead.


 36.5997, 0.3332,
0.2335


 36.5997, 0.3332,
0.2335

331.5742, 0.3243,
0.2789


 24.8977, 0.3350,
0.2230


 69.9567, 0.3303,
0.2494

 16.0009, 0.3371,
0.2099


 92.3805, 0.3291,
0.2556

 9.5248, 0.3395,
0.1933


 119.1470, 0.3281,
0.2608

 5.0850, 0.3421,
0.1716

150.6406, 0.3271,
0.2654

 2.2972, 0.3446,
0.1426

187.2458, 0.3263,
0.2694

 0.7722, 0.3457,
0.1022

229.3468, 0.3256,

 0.0000, 0.3563,

0.2729

0.0000

277.3281, 0.3249,
0.2761

0.0000, 0.0000,
0.0000

36.5997, 0.3332,
0.2335

36.5997, 0.3332,
0.2335

31.2005, 0.3390,
0.2151

43.3582, 0.3278,
0.2539

27.0615, 0.3449,
0.1997

51.5558, 0.3229,
0.2754

24.0784, 0.3509,
0.1881

61.2724, 0.3184,
0.2970


22.1282, 0.3567,
0.1810


72.5803, 0.3145,
0.3183

21.0593, 0.3622,
0.1785

85.5473, 0.3112,
0.3386

 20.7425, 0.3648,
0.1783

 94.3528, 0.3085,
0.3490

 94.5599, 0.3066,
0.3454

 94.7710, 0.3046,
0.3417

 94.9862, 0.3026,
0.3381

Harmonies

Analogous

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



36.5997, 0.2491, 0.2042



36.5997, 0.3332, 0.2335



36.5997, 0.4230, 0.2818

Triad

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



36.5997, 0.3332, 0.2335



36.5997, 0.4337, 0.4634



36.5997, 0.1696, 0.2804

Complementary

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



36.5997, 0.3332, 0.2335



62.9790, 0.2978, 0.4488

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.



36.5997, 0.2064, 0.3723



36.5997, 0.3332, 0.2335



36.5997, 0.3578, 0.4942

Square

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



36.5997, 0.3332, 0.2335



36.5997, 0.4814, 0.4045



36.5997, 0.2746, 0.4623



36.5997, 0.1656, 0.2222

Rectangle

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



36.5997, 0.3332, 0.2335



36.5997, 0.4670, 0.3207



36.5997, 0.2746, 0.4623



36.5997, 0.1780, 0.3081

Sweetspot

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



36.6014, 0.3332, 0.2335



78.9507, 0.3180, 0.2995



26.3550, 0.2390, 0.1918



16.2819, 0.3189, 0.2948



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.



36.6014, 0.3332, 0.2335



39.9815, 0.3384, 0.2166



34.3704, 0.3902, 0.2875



14.5751, 0.3161, 0.3093



11.7591, 0.3640, 0.1779



0.8793, 0.3567, 0.1739

Inverse Universe

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



36.6014, 0.3332, 0.2335



39.9815, 0.3384, 0.2166



64.9023, 0.2703, 0.3765



14.5751, 0.3161, 0.3093



11.7591, 0.3640, 0.1779



0.8793, 0.3567, 0.1739

Previews

White Background



This preview shows how the Yxy color 36.5997, 0.3332, 0.2335 looks on a white background.

Color Contrast Check

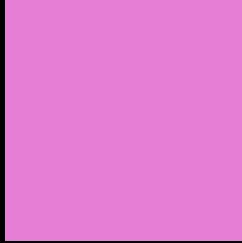
Large Text (above 18pt) WCAG AA × Fail

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 36.5997, 0.3332, 0.2335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

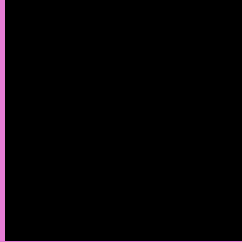
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.5997, 0.3332, 0.2335

Background



This preview shows how black text looks on a background with the Yxy color 36.5997, 0.3332, 0.2335.



This preview shows how white text looks on a background with the Yxy color 36.5997, 0.3332, 0.2335.

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

36.5997, 0.3332, 0.2335

Protanopia

37.1590, 0.2368, 0.2260

Deuteranopia

36.7636, 0.2706, 0.2641



Tritanopia

36.4878, 0.3913, 0.3172

Trichromacy



Original Color

36.5997, 0.3332, 0.2335



Protanomaly

35.6073, 0.2651, 0.2258



Deuteranomaly

35.9002, 0.2912, 0.2504



Tritanomaly

36.3526, 0.3702, 0.2847

Monochromacy



Original Color

36.5997, 0.3332, 0.2335



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

36.8643, 0.3205, 0.2874

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.5997, 0.3332, 0.2335 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(230, 126, 214)` looks like.

```
.text, #text, p{  
    color:rgb(230, 126, 214)  
}
```

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(230, 126, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 126, 214) }
```

Border

The CSS property to change the border of an element to Yxy 36.5997, 0.3332, 0.2335 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(230, 126, 214) }
```

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

```
.border{ border-color:rgb(230, 126, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 126, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 126, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 126, 214);  
box-shadow:4px 4px 4px 4px rgb(230, 126,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 36.5997, 0.3332, 0.2335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 126, 214) }
```

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

```
.background{ background-color: rgb(230,  
126, 214) }
```

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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