

Converting Colors

$Y_{xy}(34.0472, 0.3202, 0.2084)$

Have a look what the booklet for
Yxy(34.0472, 0.3202, 0.2084)
contains.

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Color

Yxy(34.2347, 0.3203, 0.2087)

Conversions

Conversions Part 1

Format	Color
Hex	E671E4
RGB	230, 113, 228
RGB Percent	90%, 44%, 89%
CMY	0.0981, 0.5568, 0.1057
CMYK	0.00, 0.51, 0.01, 0.10
HSL	301°, 70%, 67%
HSV	301°, 51%, 90%
XYZ	52.5413, 34.2347, 77.2618
YIQ	161.0930, 32.8170, 60.5690

Conversions

Conversions Part 2

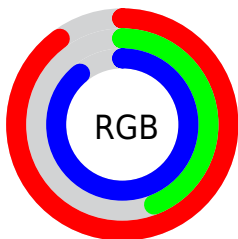
Format	Color
R _Y B	230, 113, 228
Decimal	15102436
CIE Lab	65.15, 60.58, -38.48
CIE LCh	65, 71.762, 327.577
Yxy	34.2347, 0.3203, 0.2087
Android (android.graphics.Color)	4293292516 (0xFFE671E4)
YUV	161.0930, 32.9852, 60.4314
Hunter-Lab	58.5104, 57.8966, -37.3339

Details

The Yxy color **34.2347, 0.3203, 0.2087** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **61.3328, 0.3042, 0.4885**, and the grayscale version is **35.5204, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.8559, 0.3167, 0.2450**, and **14.6755, 0.3197, 0.1810** is the 20% darker color. If you saturate the color by 10%, you get **29.7167, 0.3217, 0.1903**, and if you desaturate by 10%, it is **40.0558, 0.3188, 0.2301**.

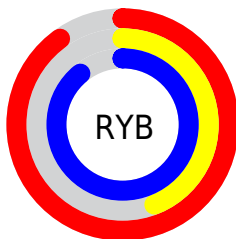
Distribution



Red (90%)

Green (44%)

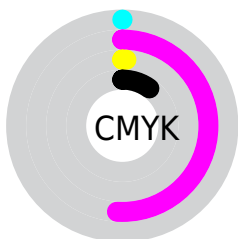
Blue (89%)



Red (90%)

Yellow (44%)

Blue (89%)

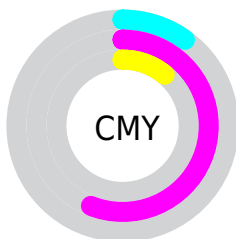


Cyan (0%)

Magenta (51%)

Yellow (1%)

Black (10%)



Cyan (10%)


Magenta (56%)

Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.2347, 0.3203, 0.2087 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 34.2347, 0.3203, 0.2087 by changing the saturation by 10% instead.


 34.2347, 0.3203,
0.2087


 34.2347, 0.3203,
0.2087

321.1773, 0.3189,
0.2648

 23.0740, 0.3200,
0.1961


 66.2985, 0.3203,
0.2281

 14.6481, 0.3193,
0.1806


 87.9703, 0.3201,
0.2356

 8.5728, 0.3178,
0.1614


 113.9146, 0.3199,
0.2422

 4.4636, 0.3148,
0.1372

144.5158, 0.3197,
0.2479

 1.9361, 0.3086,
0.1063

180.1583, 0.3195,
0.2529

 0.5700, 0.2966,
0.0637

221.2264, 0.3193,

 0.0000, 0.2716,

0.2573


0.0000


268.1046, 0.3191,
0.2612


 0.0000, 0.0000,
0.0000


 34.2347, 0.3203,
0.2087


 34.2347, 0.3203,
0.2087

 29.7167, 0.3217,
0.1903

 40.0558, 0.3188,
0.2301


 26.3971, 0.3229,
0.1756


 47.2651, 0.3173,
0.2536


 24.1625, 0.3239,
0.1652

 55.9460, 0.3158,
0.2781

 22.8758, 0.3246,
0.1590

 66.1738, 0.3143,
0.3028

 22.3195, 0.3252,
0.1565

 78.0188, 0.3128,
0.3270

■ 91.5471, 0.3115,
0.3501

■ 94.0939, 0.3111,
0.3537

■ 94.1155, 0.3109,
0.3533

■ 94.1372, 0.3107,
0.3529

Harmonies

Analogous

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



34.2347, 0.2229, 0.1786



34.2347, 0.3203, 0.2087



34.2347, 0.4349, 0.2615

Triad

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



34.2347, 0.3203, 0.2087



34.2347, 0.4641, 0.4758



34.2347, 0.1452, 0.2790

Complementary

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



34.2347, 0.3203, 0.2087



61.3328, 0.3042, 0.4885

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.



34.2347, 0.1913, 0.4005



34.2347, 0.3203, 0.2087



34.2347, 0.3745, 0.5316

Square

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



34.2347, 0.3203, 0.2087



34.2347, 0.5203, 0.4003



34.2347, 0.2752, 0.5123



34.2347, 0.1375, 0.2052

Rectangle

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



34.2347, 0.3203, 0.2087



34.2347, 0.4950, 0.3047



34.2347, 0.2752, 0.5123



34.2347, 0.1560, 0.3153

Sweetspot

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



34.2362, 0.3203, 0.2087



77.9359, 0.3149, 0.2924



21.1670, 0.2164, 0.1681



16.0976, 0.3152, 0.2871



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.



34.2362, 0.3203, 0.2087



37.3233, 0.3217, 0.1895



31.5181, 0.3853, 0.2654



14.6109, 0.3141, 0.3062



12.6400, 0.3251, 0.1565



0.9354, 0.3245, 0.1561

Inverse Universe

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



34.2362, 0.3203, 0.2087



37.3233, 0.3217, 0.1895



63.1304, 0.2745, 0.4059



14.6109, 0.3141, 0.3062



12.6400, 0.3251, 0.1565



0.9354, 0.3245, 0.1561

Previews

White Background



This preview shows how the Yxy color 34.2347, 0.3203, 0.2087 looks on a white background.

Color Contrast Check

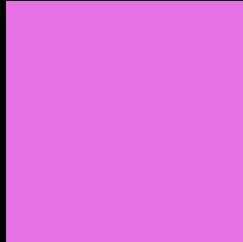
Large Text (above 18pt) WCAG AA × Fail

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 34.2347, 0.3203, 0.2087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

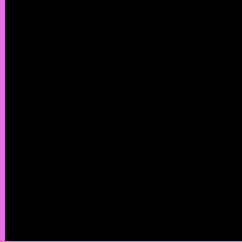
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.2347, 0.3203, 0.2087

Background



This preview shows how black text looks on a background with the Yxy color 34.2347, 0.3203, 0.2087.



This preview shows how white text looks on a background with the Yxy color 34.2347, 0.3203, 0.2087.

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

34.2347, 0.3203, 0.2087

Protanopia

34.5846, 0.2182, 0.2019

Deuteranopia

34.6845, 0.2485, 0.2431



Tritanopia

34.2795, 0.3985, 0.3172

Trichromacy



Original Color

34.2347, 0.3203, 0.2087



Protanomaly

32.7197, 0.2457, 0.2002



Deuteranomaly

33.0354, 0.2701, 0.2251



Tritanomaly

33.8641, 0.3691, 0.2721

Monochromacy



Original Color

34.2347, 0.3203, 0.2087



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

33.8884, 0.3163, 0.2749

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.2347, 0.3203, 0.2087 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, 113, 228)` looks like.

```
.text, #text, p{  
    color:rgb(230, 113, 228)  
}
```

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, 113, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 113, 228) }
```

Border

The CSS property to change the border of an element to Yxy 34.2347, 0.3203, 0.2087 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, 113, 228) }
```

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

```
.border{ border-color:rgb(230, 113, 228) }
```

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

Here you see how a box with a 4 pixel rgb(230, 113, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 113, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 113, 228);  
box-shadow:4px 4px 4px 4px rgb(230, 113,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 34.2347, 0.3203, 0.2087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 113, 228) }
```

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

```
.background{ background-color: rgb(230,  
113, 228) }
```

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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