

Converting Colors

$Y_{xy}(36.9475, 0.3296, 0.2263)$

Have a look what the booklet for
Yxy(36.9475, 0.3296, 0.2263)
contains.

Yxy(36.9594, 0.3294, 0.2260)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.9594, 0.3294, 0.2260)

Conversions

Conversions Part 1

Format	Color
Hex	E97CDD
RGB	233, 124, 221
RGB Percent	91%, 49%, 87%
CMY	0.0862, 0.5138, 0.1333
CMYK	0.00, 0.47, 0.05, 0.09
HSL	307°, 71%, 70%
HSV	307°, 47%, 91%
XYZ	53.8691, 36.9594, 72.7086
YIQ	167.6490, 33.8270, 53.2750

Conversions

Conversions Part 2

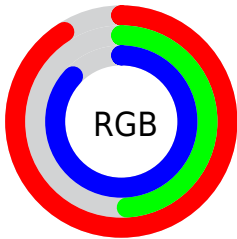
Format	Color
R _Y B	233, 124, 221
Decimal	15301853
CIE Lab	67.25, 54.96, -31.28
CIE LCh	67, 63.239, 330.351
Yxy	36.9594, 0.3294, 0.2260
Android (android.graphics.Color)	4293491933 (0xFFE97CDD)
YUV	167.6490, 26.3020, 57.3128
Hunter-Lab	60.7942, 51.7771, -28.3536

Details

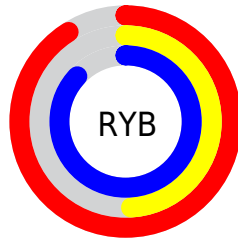
The Yxy color **36.9594, 0.3294, 0.2260** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **64.3520, 0.2998, 0.4605**, and the grayscale version is **38.8336, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.1225, 0.3162, 0.2556**, and **16.2475, 0.3311, 0.2011** is the 20% darker color. If you saturate the color by 10%, you get **31.6594, 0.3337, 0.2074**, and if you desaturate by 10%, it is **43.6446, 0.3253, 0.2469**.

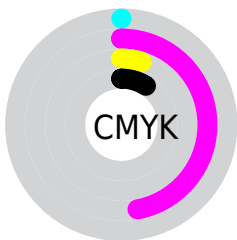
Distribution



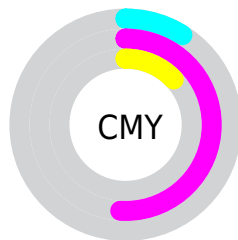
- Red (91%)
- Green (49%)
- Blue (87%)



- Red (91%)
- Yellow (49%)
- Blue (87%)



- Cyan (0%)
- Magenta (47%)
- Yellow (5%)
- Black (9%)




- Cyan (9%)
- Magenta (51%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.9594, 0.3294, 0.2260 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 36.9594, 0.3294, 0.2260 by changing the saturation by 10% instead.


 36.9594, 0.3294,
0.2260


 36.9594, 0.3294,
0.2260


333.1347, 0.3227,
0.2744

 25.1761, 0.3306,
0.2149


 70.5103, 0.3274,
0.2429

 16.2083, 0.3318,
0.2012


 93.0467, 0.3265,
0.2494

 9.6717, 0.3330,
0.1840


 119.9362, 0.3257,
0.2550

 5.1818, 0.3340,
0.1619

151.5633, 0.3250,
0.2599

 2.3543, 0.3339,
0.1327

188.3123, 0.3243,
0.2642

 0.8022, 0.3307,
0.0934


230.5676, 0.3238,

 0.0000, 0.3315,


0.2680

0.0000


278.7136, 0.3232,
0.2714

 0.0000, 0.0000,
0.0000


 36.9594, 0.3294,
0.2260


 36.9594, 0.3294,
0.2260

 31.6594, 0.3337,
0.2074


 43.6446, 0.3253,
0.2469


 27.6407, 0.3381,
0.1920


 51.7989, 0.3214,
0.2692


 24.7933, 0.3423,
0.1807

 61.5058, 0.3178,
0.2918

 22.9862, 0.3464,
0.1738


 72.8406, 0.3147,
0.3142


 22.0524, 0.3501,
0.1712


 85.8743, 0.3119,
0.3358

 21.8496, 0.3513,
0.1709

 94.9274, 0.3097,
0.3477

 95.0781, 0.3083,
0.3451

 95.2309, 0.3068,
0.3424

 95.3858, 0.3054,
0.3398

Harmonies

Analogous

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



36.9594, 0.2412, 0.1964



36.9594, 0.3294, 0.2260



36.9594, 0.4265, 0.2757

Triad

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



36.9594, 0.3294, 0.2260



36.9594, 0.4431, 0.4677



36.9594, 0.1623, 0.2802

Complementary

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



36.9594, 0.3294, 0.2260



64.3520, 0.2998, 0.4605

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.



36.9594, 0.2021, 0.3804



36.9594, 0.3294, 0.2260



36.9594, 0.3633, 0.5056

Square

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



36.9594, 0.3294, 0.2260



36.9594, 0.4930, 0.4037



36.9594, 0.2751, 0.4767



36.9594, 0.1571, 0.2173

Rectangle

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



36.9594, 0.3294, 0.2260



36.9594, 0.4751, 0.3160



36.9594, 0.2751, 0.4767



36.9594, 0.1715, 0.3103

Sweetspot

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



36.9611, 0.3294, 0.2260



79.0490, 0.3169, 0.2980



25.4392, 0.2317, 0.1848



16.3061, 0.3176, 0.2931



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.



36.9611, 0.3294, 0.2260



39.1405, 0.3335, 0.2083



34.5524, 0.3878, 0.2800



15.2835, 0.3155, 0.3083



12.4068, 0.3507, 0.1706



0.9824, 0.3461, 0.1680

Inverse Universe

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



36.9611, 0.3294, 0.2260



39.1405, 0.3335, 0.2083



66.2663, 0.2720, 0.3860



15.2835, 0.3155, 0.3083



12.4068, 0.3507, 0.1706



0.9824, 0.3461, 0.1680

Previews

White Background



This preview shows how the Yxy color 36.9594, 0.3294, 0.2260 looks on a white background.

Color Contrast Check

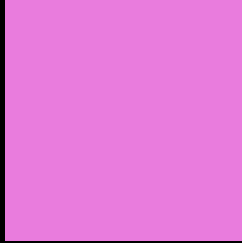
Large Text (above 18pt) WCAG AA × Fail

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 36.9594, 0.3294, 0.2260 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 36.9594, 0.3294, 0.2260

Background



This preview shows how black text looks on a background with the Yxy color 36.9594, 0.3294, 0.2260.



This preview shows how white text looks on a background with the Yxy color 36.9594, 0.3294, 0.2260.

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

36.9594, 0.3294, 0.2260

Protanopia

37.3603, 0.2288, 0.2154

Deuteranopia

37.1171, 0.2642, 0.2579



Tritanopia

36.9657, 0.3944, 0.3174

Trichromacy



Original Color

36.9594, 0.3294, 0.2260



Protanomaly

35.9061, 0.2576, 0.2167



Deuteranomaly

36.1346, 0.2847, 0.2426



Tritanomaly

36.6788, 0.3701, 0.2808

Monochromacy



Original Color

36.9594, 0.3294, 0.2260



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

37.2508, 0.3197, 0.2840

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9594, 0.3294, 0.2260 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, 124, 221)` looks like.

```
.text, #text, p{  
    color:rgb(233, 124, 221)  
}
```

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, 124, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 124, 221) }
```

Border

The CSS property to change the border of an element to Yxy 36.9594, 0.3294, 0.2260 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, 124, 221) }
```

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

```
.border{ border-color:rgb(233, 124, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 124, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 124, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 124, 221);  
box-shadow:4px 4px 4px 4px rgb(233, 124,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9594, 0.3294, 0.2260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 124, 221) }
```

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

```
.background{ background-color: rgb(233,  
124, 221) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor