

Converting Colors

$Y_{xy}(33.3122, 0.3239, 0.2094)$

Have a look what the booklet for
Yxy(33.3122, 0.3239, 0.2094)
contains.

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Color

Yxy(33.3567, 0.3244, 0.2095)

Conversions

Conversions Part 1

Format	Color
Hex	E66EE0
RGB	230, 110, 224
RGB Percent	90%, 43%, 88%
CMY	0.0982, 0.5685, 0.1217
CMYK	0.00, 0.52, 0.03, 0.10
HSL	303°, 71%, 67%
HSV	303°, 52%, 90%
XYZ	51.6511, 33.3567, 74.2127
YIQ	158.8760, 34.9260, 60.8940

Conversions

Conversions Part 2

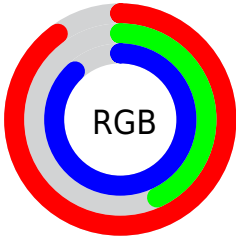
Format	Color
R _Y B	230, 110, 224
Decimal	15101664
CIE Lab	64.45, 61.26, -37.30
CIE LCh	64, 71.725, 328.661
Yxy	33.3567, 0.3244, 0.2095
Android (android.graphics.Color)	4293291744 (0xFFE66EE0)
YUV	158.8760, 32.1061, 62.3757
Hunter-Lab	57.7553, 58.5627, -35.7561

Details

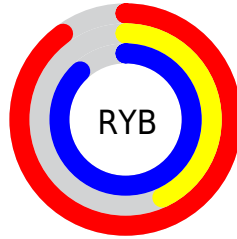
The Yxy color **33.3567, 0.3244, 0.2095** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **61.1536, 0.3021, 0.4878**, and the grayscale version is **34.4548, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.7524, 0.3168, 0.2422**, and **14.1440, 0.3253, 0.1815** is the 20% darker color. If you saturate the color by 10%, you get **28.9588, 0.3268, 0.1918**, and if you desaturate by 10%, it is **39.0455, 0.3220, 0.2302**.

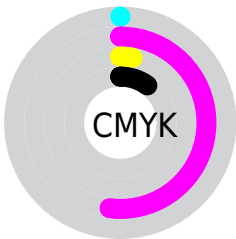
Distribution



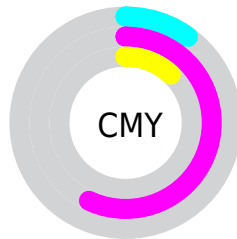
- Red (90%)
- Green (43%)
- Blue (88%)



- Red (90%)
- Yellow (43%)
- Blue (88%)



- Cyan (0%)
- Magenta (52%)
- Yellow (3%)
- Black (10%)




- Cyan (10%)
- Magenta (57%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3567, 0.3244, 0.2095 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 33.3567, 0.3244, 0.2095 by changing the saturation by 10% instead.


 33.3567, 0.3244,
0.2095


 33.3567, 0.3244,
0.2095


317.2540, 0.3208,
0.2655


 22.3998, 0.3246,
0.1968


 64.9320, 0.3236,
0.2289

 14.1510, 0.3246,
0.1812


 86.3193, 0.3232,
0.2365

 8.2258, 0.3240,
0.1619


 111.9521, 0.3227,
0.2430

 4.2397, 0.3221,
0.1373

142.2150, 0.3223,
0.2487

 1.8086, 0.3174,
0.1058

177.4922, 0.3219,
0.2536

 0.4925, 0.3082,
0.0599

218.1681, 0.3215,

 0.0000, 0.2839,

0.2580


0.0000


264.6273, 0.3212,
0.2620

 0.0000, 0.0000,
0.0000


 33.3567, 0.3244,
0.2095


 33.3567, 0.3244,
0.2095


 28.9588, 0.3268,
0.1918


 39.0455, 0.3220,
0.2302

 25.7456, 0.3290,
0.1780


 46.1117, 0.3196,
0.2529

 23.6014, 0.3310,
0.1684

 54.6393, 0.3173,
0.2766

 22.3853, 0.3328,
0.1631

 64.7046, 0.3151,
0.3006

 21.9033, 0.3340,
0.1614

 76.3784, 0.3131,
0.3241

■ 89.7272, 0.3113,
0.3466

■ 94.1644, 0.3104,
0.3523

■ 94.2300, 0.3097,
0.3511

■ 94.2960, 0.3090,
0.3499

Harmonies

Analogous

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



33.3567, 0.2251, 0.1783



33.3567, 0.3244, 0.2095



33.3567, 0.4397, 0.2632

Triad

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



33.3567, 0.3244, 0.2095



33.3567, 0.4621, 0.4791



33.3567, 0.1433, 0.2749

Complementary

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



33.3567, 0.3244, 0.2095



61.1536, 0.3021, 0.4878

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.



33.3567, 0.1879, 0.3962



33.3567, 0.3244, 0.2095



33.3567, 0.3711, 0.5341

Square

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



33.3567, 0.3244, 0.2095



33.3567, 0.5205, 0.4031



33.3567, 0.2712, 0.5113



33.3567, 0.1368, 0.2025

Rectangle

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



33.3567, 0.3244, 0.2095



33.3567, 0.4989, 0.3069



33.3567, 0.2712, 0.5113



33.3567, 0.1535, 0.3108

Sweetspot

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



33.3582, 0.3244, 0.2095



76.5437, 0.3159, 0.2912



20.5879, 0.2165, 0.1647



15.8196, 0.3164, 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.



33.3582, 0.3244, 0.2095



36.0410, 0.3270, 0.1899



30.6588, 0.3931, 0.2684



14.6021, 0.3146, 0.3070



12.4103, 0.3338, 0.1613



0.9209, 0.3318, 0.1601

Inverse Universe

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



33.3582, 0.3244, 0.2095



36.0410, 0.3270, 0.1899



63.0263, 0.2718, 0.4025



14.6021, 0.3146, 0.3070



12.4103, 0.3338, 0.1613



0.9209, 0.3318, 0.1601

Previews

White Background



This preview shows how the Yxy color 33.3567, 0.3244, 0.2095 looks on a white background.

Color Contrast Check

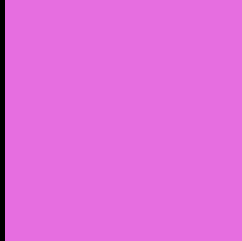
Large Text (above 18pt) WCAG AA × Fail

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 33.3567, 0.3244, 0.2095 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

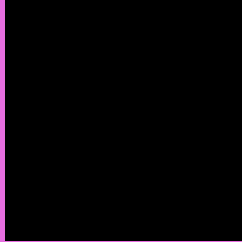
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.3567, 0.3244, 0.2095

Background



This preview shows how black text looks on a background with the Yxy color 33.3567, 0.3244, 0.2095.



This preview shows how white text looks on a background with the Yxy color 33.3567, 0.3244, 0.2095.

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

33.3567, 0.3244, 0.2095

Protanopia

33.7155, 0.2161, 0.1989

Deuteranopia

33.7189, 0.2499, 0.2447



Tritanopia

33.3417, 0.4046, 0.3184

Trichromacy



Original Color

33.3567, 0.3244, 0.2095



Protanomaly

31.5911, 0.2443, 0.1970



Deuteranomaly

32.2376, 0.2729, 0.2266



Tritanomaly

32.9535, 0.3745, 0.2732

Monochromacy



Original Color

33.3567, 0.3244, 0.2095



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

32.7829, 0.3174, 0.2732

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3567, 0.3244, 0.2095 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, 110, 224)` looks like.

```
.text, #text, p{  
    color:rgb(230, 110, 224)  
}
```

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, 110, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 110, 224) }
```

Border

The CSS property to change the border of an element to Yxy 33.3567, 0.3244, 0.2095 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, 110, 224) }
```

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

```
.border{ border-color:rgb(230, 110, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 110, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 110, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 110, 224);  
box-shadow:4px 4px 4px 4px rgb(230, 110,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3567, 0.3244, 0.2095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 110, 224) }
```

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

```
.background{ background-color: rgb(230,  
110, 224) }
```

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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