

Converting Colors

$Y_{xy}(33.0149, 0.3516, 0.2415)$

Have a look what the booklet for
Yxy(33.0149, 0.3516, 0.2415)
contains.

| | |
|--|----|
| Yxy(33.1567, 0.3523, 0.2423) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(33.1567, 0.3523, 0.2423)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | E475C3 |
| RGB | 228, 117, 195 |
| RGB Percent | 89%, 46%, 76% |
| CMY | 0.1058, 0.5412, 0.2354 |
| CMYK | 0.00, 0.49, 0.14, 0.11 |
| HSL | 318°, 67%, 68% |
| HSV | 318°, 49%, 89% |
| XYZ | 48.2093, 33.1567, 55.4756 |
| YIQ | 159.0810, 41.1180, 47.7900 |

Conversions

Conversions Part 2

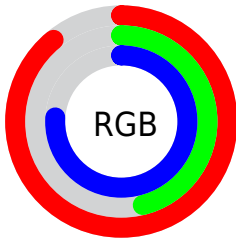
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 228, 117, 195 |
| Decimal | 14972355 |
| CIE Lab | 64.29, 52.68, -21.31 |
| CIE LCh | 64, 56.830, 337.975 |
| Yxy | 33.1567, 0.3523, 0.2423 |
| Android (android.graphics.Color) | 4293162435 (0xFFE475C3) |
| YUV | 159.0810, 17.7081, 60.4420 |
| Hunter-Lab | 57.5819, 48.6773, -16.8139 |

Details

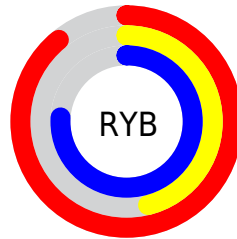
The Yxy color **33.1567, 0.3523, 0.2423** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **61.4833, 0.2886, 0.4371**, and the grayscale version is **34.6135, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.7933, 0.3188, 0.2505**, and **14.0241, 0.3626, 0.2196** is the 20% darker color. If you saturate the color by 10%, you get **28.1765, 0.3637, 0.2272**, and if you desaturate by 10%, it is **39.4478, 0.3419, 0.2595**.

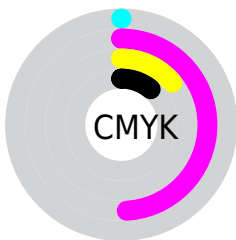
Distribution



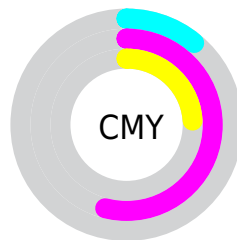
- Red (89%)
- Green (46%)
- Blue (76%)



- Red (89%)
- Yellow (46%)
- Blue (76%)



- Cyan (0%)
- Magenta (49%)
- Yellow (14%)
- Black (11%)





- Cyan (11%)
- Magenta (54%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.1567, 0.3523, 0.2423 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 33.1567, 0.3523, 0.2423 by changing the saturation by 10% instead.


 33.1567, 0.3523,
0.2423


 33.1567, 0.3523,
0.2423


316.3552, 0.3330,
0.2846

 22.2465, 0.3569,
0.2321


 64.6201, 0.3454,
0.2574

 14.0381, 0.3627,
0.2193


 85.9421, 0.3428,
0.2631

 8.1472, 0.3702,
0.2028

 111.5035, 0.3406,
0.2680

 4.1893, 0.3803,
0.1807

141.6887, 0.3387,
0.2723

 1.7800, 0.3941,
0.1500

176.8821, 0.3370,
0.2759

 0.4747, 0.4189,
0.0950

217.4680, 0.3355,


 0.0000, 0.4608,

0.2792


0.0000


263.8309, 0.3342,
0.2820


 0.0000, 0.0000,
0.0000


 33.1567, 0.3523,
0.2423


 33.1567, 0.3523,
0.2423


 28.1765, 0.3637,
0.2272


 39.4478, 0.3419,
0.2595


 24.4068, 0.3760,
0.2151


 47.1314, 0.3327,
0.2776


 21.7401, 0.3887,
0.2072


 56.2876, 0.3247,
0.2960

 20.0478, 0.4013,
0.2041

 66.9896, 0.3178,
0.3140

 19.1371, 0.4136,
0.2057

 79.3051, 0.3120,
0.3312

 19.0410, 0.4152,
0.2061

 93.2982, 0.3071,
0.3474

 94.4572, 0.3033,
0.3416

 94.8737, 0.2995,
0.3347

 95.2374, 0.2964,
0.3290

Harmonies

Analogous

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



33.1567, 0.2647, 0.2086



33.1567, 0.3523, 0.2423



33.1567, 0.4384, 0.2935

Triad

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



33.1567, 0.3523, 0.2423



33.1567, 0.4195, 0.4729



33.1567, 0.1665, 0.2655

Complementary

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



33.1567, 0.3523, 0.2423



61.4833, 0.2886, 0.4371

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.



33.1567, 0.1962, 0.3516



33.1567, 0.3523, 0.2423



33.1567, 0.3406, 0.4932

Square

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



33.1567, 0.3523, 0.2423



33.1567, 0.4746, 0.4174



33.1567, 0.2587, 0.4467



33.1567, 0.1689, 0.2150

Rectangle

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



33.1567, 0.3523, 0.2423



33.1567, 0.4756, 0.3333



33.1567, 0.2587, 0.4467



33.1567, 0.1726, 0.2906

Sweetspot

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



33.1583, 0.3523, 0.2423



77.2653, 0.3221, 0.3025



24.6626, 0.2442, 0.1844



15.9346, 0.3236, 0.2987



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.



33.1583, 0.3523, 0.2423



36.4985, 0.3633, 0.2276



31.1437, 0.4181, 0.3016



14.5383, 0.3183, 0.3126



11.0145, 0.4134, 0.2051



0.8301, 0.3967, 0.1959

Inverse Universe

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



33.1583, 0.3523, 0.2423



36.4985, 0.3633, 0.2276



63.6380, 0.2604, 0.3604



14.5383, 0.3183, 0.3126



11.0145, 0.4134, 0.2051



0.8301, 0.3967, 0.1959

Previews

White Background



This preview shows how the Yxy color 33.1567, 0.3523, 0.2423 looks on a white background.

Color Contrast Check

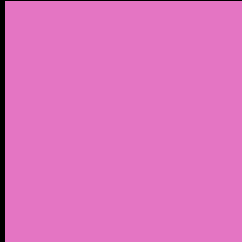
Large Text (above 18pt) WCAG AA × Fail

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 33.1567, 0.3523, 0.2423 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

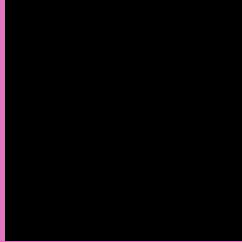
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.1567, 0.3523, 0.2423

Background



This preview shows how black text looks on a background with the Yxy color 33.1567, 0.3523, 0.2423.



This preview shows how white text looks on a background with the Yxy color 33.1567, 0.3523, 0.2423.

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

33.1567, 0.3523, 0.2423

Protanopia

33.5360, 0.2446, 0.2361

Deuteranopia

33.4252, 0.2834, 0.2778



Tritanopia

33.0942, 0.4088, 0.3173

Trichromacy



Original Color

33.1567, 0.3523, 0.2423



Protanomaly

32.2382, 0.2767, 0.2361



Deuteranomaly

32.4628, 0.3068, 0.2616



Tritanomaly

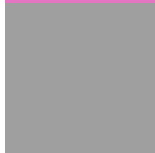
33.0177, 0.3882, 0.2892

Monochromacy



Original Color

33.1567, 0.3523, 0.2423



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

33.1154, 0.3269, 0.2911

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1567, 0.3523, 0.2423 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(228, 117, 195)` looks like.

```
.text, #text, p{  
    color:rgb(228, 117, 195)  
}
```

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(228, 117, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 117, 195) }
```

Border

The CSS property to change the border of an element to Yxy 33.1567, 0.3523, 0.2423 is called "border". The border property can be set on classes, ids or directly on the HTML element.

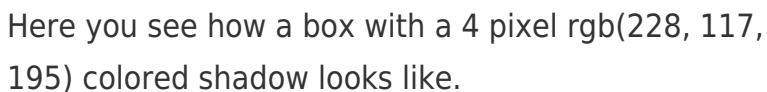
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(228, 117, 195) }
```

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

```
.border{ border-color:rgb(228, 117, 195) }
```

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



Here you see how a box with a 4 pixel `rgb(228, 117, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 117, 195); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 117, 195); box-shadow:4px 4px 4px 4px rgb(228, 117, 195) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1567, 0.3523, 0.2423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 117, 195) }
```

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

```
.background{ background-color: rgb(228,  
117, 195) }
```

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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