

Converting Colors

$Y_{xy}(23.8145, 0.3474, 0.1951)$

Have a look what the booklet for
Yxy(23.8145, 0.3474, 0.1951)
contains.

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Color

Yxy(23.8631, 0.3476, 0.1954)

Conversions

Conversions Part 1

Format	Color
Hex	DE45C6
RGB	222, 69, 198
RGB Percent	87%, 27%, 78%
CMY	0.1294, 0.7295, 0.2234
CMYK	0.00, 0.69, 0.11, 0.13
HSL	309°, 70%, 57%
HSV	309°, 69%, 87%
XYZ	42.4504, 23.8631, 55.8108
YIQ	129.4530, 49.7790, 72.5550

Conversions

Conversions Part 2

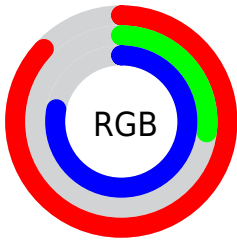
Format	Color
R _Y B	222, 69, 198
Decimal	14566854
CIE Lab	55.95, 72.06, -36.01
CIE LCh	56, 80.558, 333.450
Yxy	23.8631, 0.3476, 0.1954
Android (android.graphics.Color)	4292756934 (0xFFDE45C6)
YUV	129.4530, 33.7937, 81.1637
Hunter-Lab	48.8499, 69.6288, -33.5437

Details

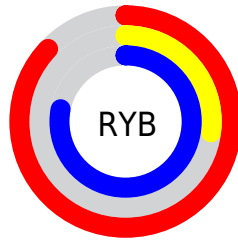
The Yxy color **23.8631, 0.3476, 0.1954** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **54.3035, 0.2936, 0.5218**, and the grayscale version is **21.9847, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.1805, 0.3183, 0.2095**, and **9.8001, 0.3524, 0.1715** is the 20% darker color. If you saturate the color by 10%, you get **21.4669, 0.3537, 0.1855**, and if you desaturate by 10%, it is **27.2863, 0.3415, 0.2095**.

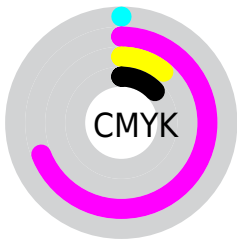
Distribution



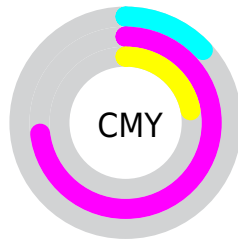
- Red (87%)
- Green (27%)
- Blue (78%)



- Red (87%)
- Yellow (27%)
- Blue (78%)



- Cyan (0%)
- Magenta (69%)
- Yellow (11%)
- Black (13%)





- Cyan (13%)
- Magenta (73%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8631, 0.3476, 0.1954 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 23.8631, 0.3476, 0.1954 by changing the saturation by 10% instead.


 23.8631, 0.3476,
0.1954


 23.8631, 0.3476,
0.1954


272.1276, 0.3321,
0.2602


 15.2321, 0.3507,
0.1802


 49.8067, 0.3425,
0.2183


 8.9824, 0.3543,
0.1614


 67.8881, 0.3404,
0.2271


 4.7297, 0.3582,
0.1378


 89.8884, 0.3386,
0.2346

 2.0896, 0.3619,
0.1077

 116.1921, 0.3370,
0.2411

 0.6588, 0.3644,
0.0682

 147.1834, 0.3356,
0.2468

 0.0000, 0.3675,
0.0000


183.2468, 0.3343,


 0.0000, 0.2542,


0.2518


0.0000

224.7668, 0.3331,
0.2563

 0.0000, 0.0000,
0.0000


 23.8631, 0.3476,
0.1954


 23.8631, 0.3476,
0.1954

 21.4669, 0.3537,
0.1855

 27.2863, 0.3415,
0.2095

 19.9736, 0.3595,
0.1800

 31.8353, 0.3356,
0.2268


 19.1963, 0.3650,
0.1788


 37.6009, 0.3299,
0.2466


 19.1286, 0.3656,
0.1787


 44.6640, 0.3248,
0.2676

 53.0982, 0.3201,
0.2892

 62.9719, 0.3160,
0.3106

 74.3486, 0.3124,
0.3312

 87.2884, 0.3092,
0.3507

 92.7280, 0.3070,
0.3555

Harmonies

Analogous

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



23.8631, 0.2215, 0.1560



23.8631, 0.3476, 0.1954



23.8631, 0.4912, 0.2588

Triad

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



23.8631, 0.3476, 0.1954



23.8631, 0.4640, 0.5118



23.8631, 0.1092, 0.2390

Complementary

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



23.8631, 0.3476, 0.1954



54.3035, 0.2936, 0.5218

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.



23.8631, 0.1481, 0.3835



23.8631, 0.3476, 0.1954



23.8631, 0.3512, 0.5873

Square

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



23.8631, 0.3476, 0.1954



23.8631, 0.5502, 0.4164



23.8631, 0.2363, 0.5497



23.8631, 0.1102, 0.1678

Rectangle

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



23.8631, 0.3476, 0.1954



23.8631, 0.5555, 0.3078



23.8631, 0.2363, 0.5497



23.8631, 0.1170, 0.2786

Sweetspot

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



23.8643, 0.3476, 0.1954



69.9346, 0.3211, 0.2844



11.8010, 0.1936, 0.1158



14.2657, 0.3224, 0.2784



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.



23.8643, 0.3476, 0.1954



28.2779, 0.3564, 0.1823



21.2044, 0.4602, 0.2725



13.8968, 0.3162, 0.3095



11.3742, 0.3648, 0.1783



0.7985, 0.3569, 0.1740

Inverse Universe

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



23.8643, 0.3476, 0.1954



28.2779, 0.3564, 0.1823



56.3578, 0.2580, 0.4075



13.8968, 0.3162, 0.3095



11.3742, 0.3648, 0.1783



0.7985, 0.3569, 0.1740

Previews

White Background



This preview shows how the Yxy color 23.8631, 0.3476, 0.1954 looks on a white background.

Color Contrast Check

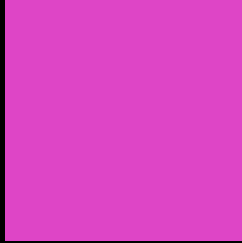
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8631, 0.3476, 0.1954 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

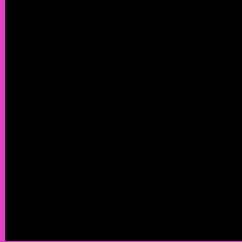
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8631, 0.3476, 0.1954

Background



This preview shows how black text looks on a background with the Yxy color 23.8631, 0.3476, 0.1954.



This preview shows how white text looks on a background with the Yxy color 23.8631, 0.3476, 0.1954.

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

23.8631, 0.3476, 0.1954

Protanopia

24.5372, 0.1911, 0.1667

Deuteranopia

24.1189, 0.2474, 0.2419



Tritanopia

23.8810, 0.4631, 0.3223

Trichromacy



Original Color

23.8631, 0.3476, 0.1954



Protanomaly

20.9869, 0.2222, 0.1634



Deuteranomaly

21.9262, 0.2774, 0.2126



Tritanomaly

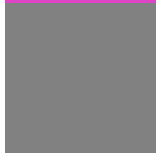
23.2503, 0.4214, 0.2698

Monochromacy



Original Color

23.8631, 0.3476, 0.1954



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

20.6350, 0.3274, 0.2579

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8631, 0.3476, 0.1954 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(222, 69, 198)` looks like.

```
.text, #text, p{  
    color:rgb(222, 69, 198)  
}
```

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(222, 69, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 69, 198) }
```

Border

The CSS property to change the border of an element to Yxy 23.8631, 0.3476, 0.1954 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(222, 69, 198) }
```

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

```
.border{ border-color:rgb(222, 69, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 69, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 69, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 69, 198);  
box-shadow:4px 4px 4px 4px rgb(222, 69,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8631, 0.3476, 0.1954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 69, 198) }
```

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

```
.background{ background-color: rgb(222, 69,  
198) }
```

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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