

Converting Colors

$Y_{xy}(23.7473, 0.3190, 0.1658)$

Have a look what the booklet for
Yxy(23.7473, 0.3190, 0.1658)
contains.

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Color

Yxy(23.7059, 0.3182, 0.1652)

Conversions

Conversions Part 1

Format	Color
Hex	E033E2
RGB	224, 51, 226
RGB Percent	88%, 20%, 89%
CMY	0.1214, 0.8002, 0.1137
CMYK	0.01, 0.77, 0.00, 0.11
HSL	299°, 75%, 54%
HSV	299°, 77%, 89%
XYZ	45.6611, 23.7059, 74.1312
YIQ	122.6770, 46.9330, 91.1010

Conversions

Conversions Part 2

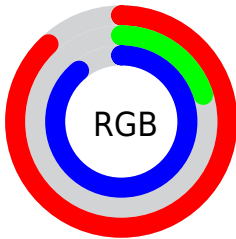
Format	Color
R _Y B	224, 51, 226
Decimal	14693346
CIE Lab	55.79, 82.15, -52.17
CIE LCh	56, 97.312, 327.584
Yxy	23.7059, 0.3182, 0.1652
Android (android.graphics.Color)	4292883426 (0xFFE033E2)
YUV	122.6770, 50.9382, 88.8603
Hunter-Lab	48.6887, 82.1952, -56.1901

Details

The Yxy color **23.7059, 0.3182, 0.1652** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **55.3941, 0.3019, 0.5715**, and the grayscale version is **19.5050, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.2026, 0.3188, 0.2001**, and **10.7948, 0.3122, 0.1493** is the 20% darker color. If you saturate the color by 10%, you get **22.1505, 0.3182, 0.1573**, and if you desaturate by 10%, it is **26.2219, 0.3180, 0.1775**.

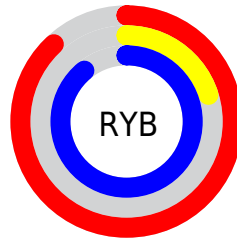
Distribution



Red (88%)

Green (20%)

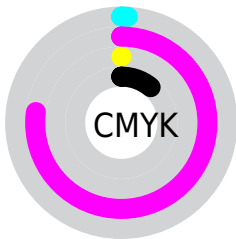
Blue (89%)



Red (88%)

Yellow (20%)

Blue (89%)

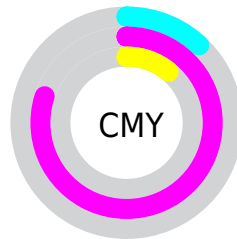


Cyan (1%)

Magenta (77%)

Yellow (0%)

Black (11%)



Cyan (12%)


Magenta (80%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7059, 0.3182, 0.1652 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 23.7059, 0.3182, 0.1652 by changing the saturation by 10% instead.


 23.7059, 0.3182,
0.1652

 23.7059, 0.3182,
0.1652


271.3302, 0.3200,
0.2411


 15.1156, 0.3164,
0.1486


 49.5498, 0.3199,
0.1911


 8.9006, 0.3135,
0.1288

 67.5723, 0.3202,
0.2013

 4.6764, 0.3084,
0.1051


 89.5075, 0.3203,
0.2102

 2.0587, 0.2995,
0.0770

 115.7400, 0.3204,
0.2179

 0.6412, 0.2838,
0.0438

 146.6542, 0.3203,
0.2248

 0.0000, 0.2564,
0.0000

182.6343, 0.3203,

 0.0000, 0.1819,

0.2308

0.0000

224.0649, 0.3201,
0.2362

■ 0.0000, 0.0000,
0.0000

■ 23.7059, 0.3182,
0.1652

■ 23.7059, 0.3182,
0.1652

■ 22.1505, 0.3182,
0.1573

■ 26.2219, 0.3180,
0.1775

■ 21.3877, 0.3181,
0.1533

■ 29.8181, 0.3175,
0.1939

■ 21.2528, 0.3181,
0.1526

■ 34.6000, 0.3169,
0.2138

■ 40.6600, 0.3162,
0.2364

■ 48.0812, 0.3153,
0.2607

■ 56.9397, 0.3144,
0.2858

■ 67.3061, 0.3134,
0.3108

■ 79.2462, 0.3125,
0.3351

■ 92.8219, 0.3115,
0.3581

Harmonies

Analogous

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



23.7059, 0.1844, 0.1291



23.7059, 0.3182, 0.1652



23.7059, 0.4950, 0.2295

Triad

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



23.7059, 0.3182, 0.1652



23.7059, 0.4972, 0.5028



23.7059, 0.0866, 0.2427

Complementary

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



23.7059, 0.3182, 0.1652



55.3941, 0.3019, 0.5715

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.



23.7059, 0.1338, 0.4365



23.7059, 0.3182, 0.1652



23.7059, 0.3654, 0.6165

Square

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



23.7059, 0.3182, 0.1652



23.7059, 0.5929, 0.3909



23.7059, 0.2373, 0.6299



23.7059, 0.0833, 0.1524

Rectangle

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



23.7059, 0.3182, 0.1652



23.7059, 0.5847, 0.2801



23.7059, 0.2373, 0.6299



23.7059, 0.0963, 0.2950

Sweetspot

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



23.7070, 0.3182, 0.1652



67.9924, 0.3149, 0.2715



8.8190, 0.1673, 0.0900



13.6845, 0.3152, 0.2624



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.



23.7070, 0.3182, 0.1652



28.4027, 0.3182, 0.1544



20.4683, 0.4389, 0.2403



13.9273, 0.3136, 0.3059



12.1267, 0.3181, 0.1526



0.8431, 0.3186, 0.1529

Inverse Universe

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



18.7897, 0.5801, 0.3284



21.7402, 0.6299, 0.3293



56.8682, 0.2698, 0.4653



13.7030, 0.3290, 0.3288



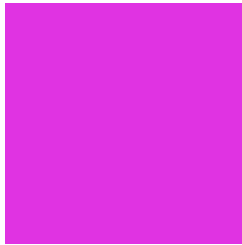
9.2286, 0.6388, 0.3293



0.6406, 0.6351, 0.3272

Previews

White Background



This preview shows how the Yxy color 23.7059, 0.3182, 0.1652 looks on a white background.

Color Contrast Check

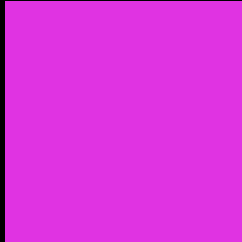
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7059, 0.3182, 0.1652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

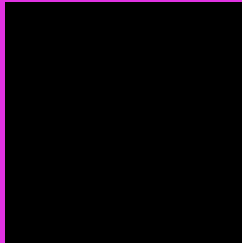
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7059, 0.3182, 0.1652

Background



This preview shows how black text looks on a background with the Yxy color 23.7059, 0.3182, 0.1652.



This preview shows how white text looks on a background with the Yxy color 23.7059, 0.3182, 0.1652.

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

23.7059, 0.3182, 0.1652

Protanopia

24.2094, 0.1868, 0.1614

Deuteranopia

23.9799, 0.2135, 0.2074



Tritanopia

23.4569, 0.4583, 0.3210

Trichromacy



Original Color

23.7059, 0.3182, 0.1652



Protanomaly

19.9040, 0.2112, 0.1456



Deuteranomaly

20.2809, 0.2387, 0.1734



Tritanomaly

22.5019, 0.4055, 0.2507

Monochromacy



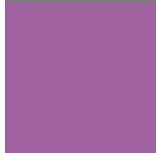
Original Color

23.7059, 0.3182, 0.1652



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

18.5610, 0.3172, 0.2344

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7059, 0.3182, 0.1652 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(224, 51, 226)` looks like.

```
.text, #text, p{  
    color:rgb(224, 51, 226)  
}
```

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(224, 51, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 51, 226) }
```

Border

The CSS property to change the border of an element to Yxy 23.7059, 0.3182, 0.1652 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(224, 51, 226) }
```

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

```
.border{ border-color:rgb(224, 51, 226) }
```

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

Here you see how a box with a 4 pixel rgb(224, 51, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 51, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 51, 226);  
box-shadow:4px 4px 4px 4px rgb(224, 51,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7059, 0.3182, 0.1652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 51, 226) }
```

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

```
.background{ background-color: rgb(224, 51,  
226) }
```

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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