

Converting Colors

$Y_{xy}(23.1320, 0.3291, 0.1700)$

Have a look what the booklet for
Yxy(23.1320, 0.3291, 0.1700)
contains.

Yxy(23.1025, 0.3282, 0.1696)	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(23.1025, 0.3282, 0.1696)

Conversions

Conversions Part 1

Format	Color
Hex	E12FDA
RGB	225, 47, 218
RGB Percent	88%, 18%, 85%
CMY	0.1179, 0.8151, 0.1452
CMYK	0.00, 0.79, 0.03, 0.12
HSL	302°, 75%, 53%
HSV	302°, 79%, 88%
XYZ	44.7066, 23.1025, 68.4085
YIQ	119.7160, 51.1970, 90.9170

Conversions

Conversions Part 2

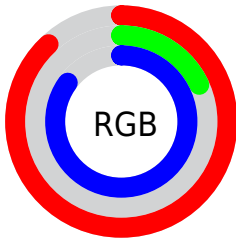
Format	Color
R _Y B	225, 47, 218
Decimal	14757850
CIE Lab	55.18, 82.05, -48.58
CIE LCh	55, 95.349, 329.373
Yxy	23.1025, 0.3282, 0.1696
Android (android.graphics.Color)	4292947930 (0xFFE12FDA)
YUV	119.7160, 48.4540, 92.3341
Hunter-Lab	48.0651, 81.9138, -50.7388

Details

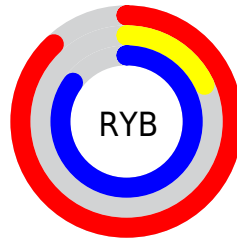
The Yxy color **23.1025, 0.3282, 0.1696** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **54.6973, 0.2996, 0.5697**, and the grayscale version is **18.5387, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7415, 0.3188, 0.1986**, and **10.6080, 0.3255, 0.1567** is the 20% darker color. If you saturate the color by 10%, you get **21.6934, 0.3297, 0.1629**, and if you desaturate by 10%, it is **25.4405, 0.3265, 0.1807**.

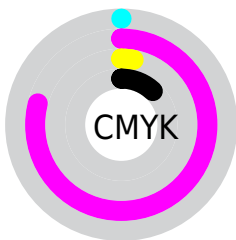
Distribution



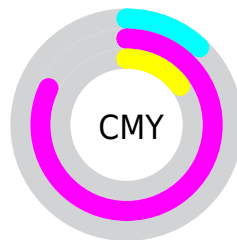
- Red (88%)
- Green (18%)
- Blue (85%)



- Red (88%)
- Yellow (18%)
- Blue (85%)



- Cyan (0%)
- Magenta (79%)
- Yellow (3%)
- Black (12%)





- Cyan (12%)
- Magenta (82%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.1025, 0.3282, 0.1696 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 23.1025, 0.3282, 0.1696 by changing the saturation by 10% instead.


 23.1025, 0.3282,
0.1696


 23.1025, 0.3282,
0.1696


268.2510, 0.3245,
0.2443


 14.6692, 0.3278,
0.1530


 48.5616, 0.3278,
0.1953

 8.5876, 0.3267,
0.1331


 66.3562, 0.3274,
0.2054


 4.4732, 0.3240,
0.1090


 88.0400, 0.3269,
0.2141

 1.9416, 0.3181,
0.0801

 113.9974, 0.3264,
0.2217

 0.5732, 0.3065,
0.0444

 144.6128, 0.3259,
0.2284

 0.0000, 0.2832,
0.0000

180.2706, 0.3254,


 0.0000, 0.2008,


0.2343

0.0000


221.3552, 0.3250,
0.2395


 0.0000, 0.0000,
0.0000


 23.1025, 0.3282,
0.1696


 23.1025, 0.3282,
0.1696


 21.6934, 0.3297,
0.1629


 25.4405, 0.3265,
0.1807


 21.0140, 0.3310,
0.1600


 28.8292, 0.3245,
0.1959

 20.9629, 0.3311,
0.1598

 33.3753, 0.3225,
0.2147

 39.1717, 0.3204,
0.2363

 46.3018, 0.3183,
0.2595

 54.8419, 0.3162,
0.2836

 64.8626, 0.3143,
0.3077

 76.4295, 0.3126,
0.3312

 89.6045, 0.3110,
0.3535

Harmonies

Analogous

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



23.1025, 0.1916, 0.1317



23.1025, 0.3282, 0.1696



23.1025, 0.5028, 0.2349

Triad

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



23.1025, 0.3282, 0.1696



23.1025, 0.4898, 0.5102



23.1025, 0.0870, 0.2360

Complementary

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



23.1025, 0.3282, 0.1696



54.6973, 0.2996, 0.5697

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.



23.1025, 0.1312, 0.4215



23.1025, 0.3282, 0.1696



23.1025, 0.3583, 0.6191

Square

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



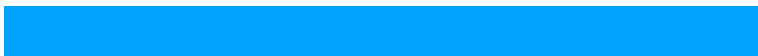
23.1025, 0.3282, 0.1696



23.1025, 0.5869, 0.3973



23.1025, 0.2315, 0.6197



23.1025, 0.0855, 0.1509

Rectangle

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



23.1025, 0.3282, 0.1696



23.1025, 0.5872, 0.2856



23.1025, 0.2315, 0.6197



23.1025, 0.0958, 0.2856

Sweetspot

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



23.1036, 0.3282, 0.1696



66.8208, 0.3173, 0.2712



8.2364, 0.1670, 0.0856



13.4593, 0.3180, 0.2626



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.



23.1036, 0.3282, 0.1696



28.1639, 0.3306, 0.1607



19.6583, 0.4580, 0.2495



13.9259, 0.3144, 0.3068



12.0904, 0.3309, 0.1597



0.8410, 0.3293, 0.1588

Inverse Universe

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



23.1036, 0.3282, 0.1696



28.1639, 0.3306, 0.1607



56.3819, 0.2657, 0.4544



13.9259, 0.3144, 0.3068



12.0904, 0.3309, 0.1597



0.8410, 0.3293, 0.1588

Previews

White Background



This preview shows how the Yxy color 23.1025, 0.3282, 0.1696 looks on a white background.

Color Contrast Check

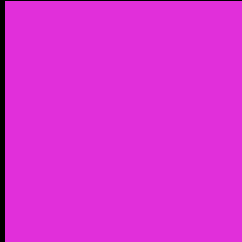
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1025, 0.3282, 0.1696 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

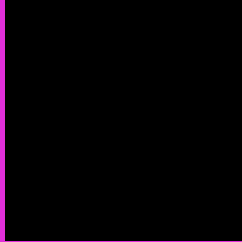
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.1025, 0.3282, 0.1696

Background



This preview shows how black text looks on a background with the Yxy color 23.1025, 0.3282, 0.1696.



This preview shows how white text looks on a background with the Yxy color 23.1025, 0.3282, 0.1696.

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

23.1025, 0.3282, 0.1696

Protanopia

23.8201, 0.1853, 0.1596

Deuteranopia

23.3384, 0.2203, 0.2142



Tritanopia

22.9226, 0.4706, 0.3224

Trichromacy



Original Color

23.1025, 0.3282, 0.1696



Protanomaly

19.2564, 0.2103, 0.1441



Deuteranomaly

19.7113, 0.2484, 0.1784



Tritanomaly

22.0426, 0.4183, 0.2545

Monochromacy



Original Color

23.1025, 0.3282, 0.1696



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

17.6748, 0.3198, 0.2345

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1025, 0.3282, 0.1696 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(225, 47, 218)` looks like.

```
.text, #text, p{  
    color:rgb(225, 47, 218)  
}
```

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(225, 47, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 47, 218) }
```

Border

The CSS property to change the border of an element to Yxy 23.1025, 0.3282, 0.1696 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(225, 47, 218) }
```

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

```
.border{ border-color:rgb(225, 47, 218) }
```

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

Here you see how a box with a 4 pixel rgb(225, 47, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 47, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 47, 218);  
box-shadow:4px 4px 4px 4px rgb(225, 47,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1025, 0.3282, 0.1696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 47, 218) }
```

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

```
.background{ background-color: rgb(225, 47,  
218) }
```

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