

Converting Colors

$Y_{xy}(23.1117, 0.3209, 0.1643)$

Have a look what the booklet for
Yxy(23.1117, 0.3209, 0.1643)
contains.

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Color

Yxy(23.1059, 0.3205, 0.1641)

Conversions

Conversions Part 1

Format	Color
Hex	E02DE0
RGB	224, 45, 224
RGB Percent	88%, 18%, 88%
CMY	0.1216, 0.8233, 0.1217
CMYK	0.00, 0.80, 0.00, 0.12
HSL	300°, 74%, 53%
HSV	300°, 80%, 88%
XYZ	45.1276, 23.1059, 72.5703
YIQ	118.9270, 49.2250, 93.6170

Conversions

Conversions Part 2

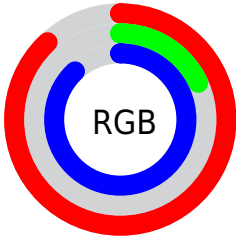
Format	Color
RYB	224, 45, 224
Decimal	14691808
CIELab	55.18, 83.25, -51.98
CIELCh	55, 98.143, 328.022
Yxy	23.1059, 0.3205, 0.1641
Android (android.graphics.Color)	4292881888 (0xFFE02DE0)
YUV	118.9270, 51.8010, 92.1490
Hunter-Lab	48.0686, 83.4588, -55.8635

Details

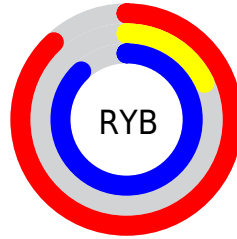
The Yxy color **23.1059, 0.3205, 0.1641** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **54.0592, 0.3011, 0.5769**, and the grayscale version is **18.2532, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.5146, 0.3189, 0.1978**, and **10.7197, 0.3150, 0.1509** is the 20% darker color. If you saturate the color by 10%, you get **21.8250, 0.3208, 0.1574**, and if you desaturate by 10%, it is **25.2947, 0.3200, 0.1751**.

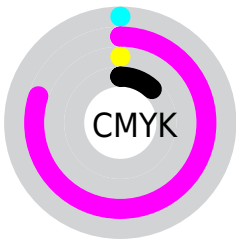
Distribution



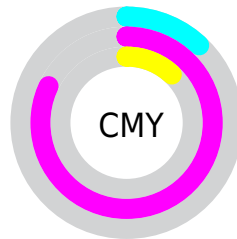
- Red (88%)
- Green (18%)
- Blue (88%)



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



- Cyan (0%)
- Magenta (80%)
- Yellow (0%)
- Black (12%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.1059, 0.3205, 0.1641 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 23.1059, 0.3205, 0.1641 by changing the saturation by 10% instead.


 23.1059, 0.3205,
0.1641


 23.1059, 0.3205,
0.1641


268.2685, 0.3212,
0.2406


 14.6717, 0.3190,
0.1474


 48.5672, 0.3218,
0.1902

 8.5893, 0.3163,
0.1274


 66.3630, 0.3220,
0.2006


 4.4743, 0.3116,
0.1034


 88.0482, 0.3220,
0.2095

 1.9423, 0.3030,
0.0751

 114.0072, 0.3219,
0.2173

 0.5736, 0.2878,
0.0408

 144.6243, 0.3218,
0.2242

 0.0000, 0.2597,
0.0000

180.2840, 0.3216,


 0.0000, 0.1807,


0.2303


0.0000

221.3705, 0.3214,
0.2357

 0.0000, 0.0000,
0.0000


 23.1059, 0.3205,
0.1641


 23.1059, 0.3205,
0.1641


 21.8250, 0.3208,
0.1574


 25.2947, 0.3200,
0.1751


 21.2312, 0.3210,
0.1542

 28.5140, 0.3193,
0.1903

 21.2257, 0.3210,
0.1542

 32.8708, 0.3184,
0.2092

 38.4579, 0.3173,
0.2311

 45.3585, 0.3162,
0.2549

■ 53.6487, 0.3150,
0.2798

■ 63.3987, 0.3139,
0.3048

■ 74.6739, 0.3127,
0.3293

■ 87.5359, 0.3116,
0.3526

Harmonies

Analogous

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



23.1059, 0.1842, 0.1274



23.1059, 0.3205, 0.1641



23.1059, 0.5003, 0.2290

Triad

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



23.1059, 0.3205, 0.1641



23.1059, 0.4955, 0.5045



23.1059, 0.0839, 0.2389

Complementary

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



23.1059, 0.3205, 0.1641



54.0592, 0.3011, 0.5769

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.



23.1059, 0.1301, 0.4347



23.1059, 0.3205, 0.1641



23.1059, 0.3624, 0.6216

Square

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



23.1059, 0.3205, 0.1641



23.1059, 0.5947, 0.3912



23.1059, 0.2333, 0.6344



23.1059, 0.0814, 0.1494

Rectangle

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



23.1059, 0.3205, 0.1641



23.1059, 0.5902, 0.2799



23.1059, 0.2333, 0.6344



23.1059, 0.0933, 0.2912

Sweetspot

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



23.1070, 0.3205, 0.1641



66.9737, 0.3155, 0.2691



7.8214, 0.1638, 0.0828



13.4969, 0.3160, 0.2602



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.



23.1070, 0.3205, 0.1641



28.6977, 0.3209, 0.1551



19.4635, 0.4498, 0.2430



13.9356, 0.3138, 0.3059



12.3552, 0.3210, 0.1542



0.8564, 0.3210, 0.1542

Inverse Universe

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



23.1070, 0.3205, 0.1641



28.6977, 0.3209, 0.1551



55.6050, 0.2685, 0.4654



13.9356, 0.3138, 0.3059



12.3552, 0.3210, 0.1542



0.8564, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 23.1059, 0.3205, 0.1641 looks on a white background.

Color Contrast Check

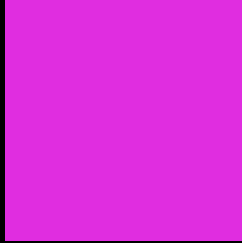
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1059, 0.3205, 0.1641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

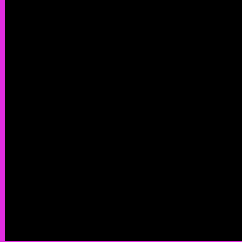
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.1059, 0.3205, 0.1641

Background



This preview shows how black text looks on a background with the Yxy color 23.1059, 0.3205, 0.1641.



This preview shows how white text looks on a background with the Yxy color 23.1059, 0.3205, 0.1641.

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

23.1059, 0.3205, 0.1641

Protanopia

23.7904, 0.1850, 0.1595

Deuteranopia

23.5548, 0.2136, 0.2079



Tritanopia

22.8454, 0.4648, 0.3211

Trichromacy



Original Color

23.1059, 0.3205, 0.1641



Protanomaly

19.1186, 0.2085, 0.1415



Deuteranomaly

19.5836, 0.2395, 0.1714



Tritanomaly

21.8302, 0.4112, 0.2503

Monochromacy



Original Color

23.1059, 0.3205, 0.1641



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

17.2567, 0.3174, 0.2299

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1059, 0.3205, 0.1641 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, 45, 224)` looks like.

```
.text, #text, p{  
    color:rgb(224, 45, 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(224, 45, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 45, 224) }
```

Border

The CSS property to change the border of an element to Yxy 23.1059, 0.3205, 0.1641 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, 45, 224) }
```

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

```
.border{ border-color:rgb(224, 45, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 45, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 45, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 45, 224);  
box-shadow:4px 4px 4px 4px rgb(224, 45,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1059, 0.3205, 0.1641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 45, 224) }
```

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

```
.background{ background-color: rgb(224, 45,  
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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