

Converting Colors

Yxy(23.4062, 0.3180, 0.1626)

Have a look what the booklet for
Yxy(23.4062, 0.3180, 0.1626)
contains.

Yxy(23.4304, 0.3183, 0.1626)	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(23.4304, 0.3183, 0.1626)

Conversions

Conversions Part 1

Format	Color
Hex	E12DE3
RGB	225, 45, 227
RGB Percent	88%, 18%, 89%
CMY	0.1175, 0.8239, 0.1097
CMYK	0.01, 0.80, 0.00, 0.11
HSL	299°, 77%, 53%
HSV	299°, 80%, 89%
XYZ	45.8665, 23.4304, 74.8015
YIQ	119.5680, 48.8580, 94.7620

Conversions

Conversions Part 2

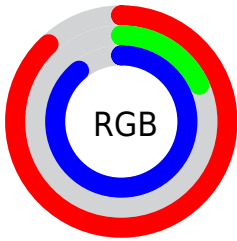
Format	Color
R _Y B	225, 45, 227
Decimal	14757347
CIE Lab	55.51, 83.94, -53.18
CIE LCh	56, 99.364, 327.645
Yxy	23.4304, 0.3183, 0.1626
Android (android.graphics.Color)	4292947427 (0xFFE12DE3)
YUV	119.5680, 52.9640, 92.4639
Hunter-Lab	48.4050, 84.4305, -57.7390

Details

The Yxy color **23.4304, 0.3183, 0.1626** 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 **55.7471, 0.3015, 0.5773**, and the grayscale version is **18.4421, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.5146, 0.3189, 0.1978**, and **10.9396, 0.3122, 0.1494** is the 20% darker color. If you saturate the color by 10%, you get **22.1032, 0.3183, 0.1558**, and if you desaturate by 10%, it is **25.6894, 0.3181, 0.1737**.

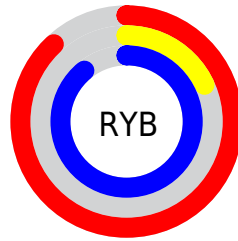
Distribution



Red (88%)

Green (18%)

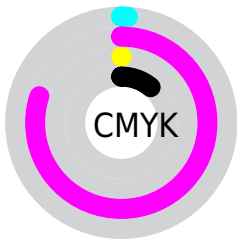
Blue (89%)



Red (88%)

Yellow (18%)

Blue (89%)

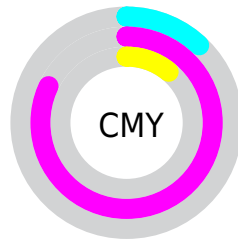


Cyan (1%)

Magenta (80%)

Yellow (0%)

Black (11%)



Cyan (12%)


Magenta (82%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.4304, 0.3183, 0.1626 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 23.4304, 0.3183, 0.1626 by changing the saturation by 10% instead.


 23.4304, 0.3183,
0.1626


 23.4304, 0.3183,
0.1626


269.9280, 0.3202,
0.2394


 14.9116, 0.3165,
0.1459


 49.0991, 0.3200,
0.1888


 8.7574, 0.3134,
0.1260


 67.0178, 0.3204,
0.1991

 4.5833, 0.3082,
0.1023


 88.8386, 0.3205,
0.2081

 2.0049, 0.2991,
0.0743

 114.9459, 0.3206,
0.2159

 0.6103, 0.2830,
0.0412

 145.7241, 0.3206,
0.2229

 0.0000, 0.2547,
0.0000

181.5576, 0.3205,

 0.0000, 0.1817,

0.2290

0.0000

222.8307, 0.3203,
0.2345

■ 0.0000, 0.0000,
0.0000

■ 23.4304, 0.3183,
0.1626

■ 23.4304, 0.3183,
0.1626

■ 22.1032, 0.3183,
0.1558

■ 25.6894, 0.3181,
0.1737

■ 21.4822, 0.3182,
0.1526


■ 29.0079, 0.3177,
0.1890

■ 33.4971, 0.3171,
0.2080


■ 39.2532, 0.3164,
0.2300

■ 46.3628, 0.3156,
0.2539

 54.9044, 0.3147,
0.2789

 64.9509, 0.3137,
0.3040

 76.5700, 0.3127,
0.3285

 89.8255, 0.3118,
0.3519

Harmonies

Analogous

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



23.4304, 0.1822, 0.1262



23.4304, 0.3183, 0.1626



23.4304, 0.4995, 0.2274

Triad

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



23.4304, 0.3183, 0.1626



23.4304, 0.4972, 0.5028



23.4304, 0.0831, 0.2398

Complementary

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



23.4304, 0.3183, 0.1626



55.7471, 0.3015, 0.5773

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.



23.4304, 0.1299, 0.4385



23.4304, 0.3183, 0.1626



23.4304, 0.3637, 0.6221

Square

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



23.4304, 0.3183, 0.1626



23.4304, 0.5968, 0.3895



23.4304, 0.2338, 0.6383



23.4304, 0.0803, 0.1491

Rectangle

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



23.4304, 0.3183, 0.1626



23.4304, 0.5909, 0.2783



23.4304, 0.2338, 0.6383



23.4304, 0.0926, 0.2929

Sweetspot

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



23.4315, 0.3183, 0.1626



66.8476, 0.3150, 0.2690



8.2135, 0.1639, 0.0841



13.4659, 0.3154, 0.2600



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.



23.4315, 0.3183, 0.1626



28.1961, 0.3182, 0.1536



20.0707, 0.4455, 0.2398



14.6068, 0.3136, 0.3058



12.5281, 0.3182, 0.1527



0.9284, 0.3186, 0.1529

Inverse Universe

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



18.4109, 0.5913, 0.3286



21.5102, 0.6346, 0.3295



57.2037, 0.2699, 0.4709



14.3705, 0.3291, 0.3288



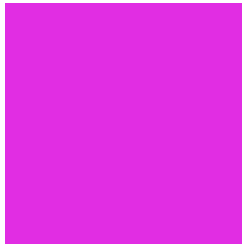
9.5285, 0.6389, 0.3293



0.7050, 0.6354, 0.3274

Previews

White Background



This preview shows how the Yxy color 23.4304, 0.3183, 0.1626 looks on a white background.

Color Contrast Check

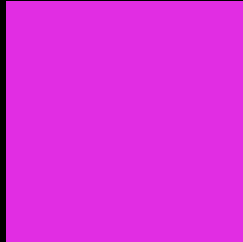
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4304, 0.3183, 0.1626 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

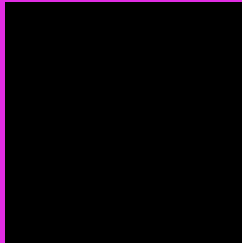
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.4304, 0.3183, 0.1626

Background



This preview shows how black text looks on a background with the Yxy color 23.4304, 0.3183, 0.1626.



This preview shows how white text looks on a background with the Yxy color 23.4304, 0.3183, 0.1626.

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

23.4304, 0.3183, 0.1626

Protanopia

23.8812, 0.1858, 0.1598

Deuteranopia

23.8365, 0.2119, 0.2070



Tritanopia

23.1939, 0.4637, 0.3211

Trichromacy



Original Color

23.4304, 0.3183, 0.1626



Protanomaly

19.3210, 0.2094, 0.1415



Deuteranomaly

19.8515, 0.2368, 0.1698



Tritanomaly

22.0448, 0.4094, 0.2485

Monochromacy



Original Color

23.4304, 0.3183, 0.1626



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

17.6010, 0.3161, 0.2292

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4304, 0.3183, 0.1626 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, 45, 227)` looks like.

```
.text, #text, p{  
    color:rgb(225, 45, 227)  
}
```

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, 45, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 45, 227) }
```

Border

The CSS property to change the border of an element to Yxy 23.4304, 0.3183, 0.1626 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, 45, 227) }
```

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

```
.border{ border-color:rgb(225, 45, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 45, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 45, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 45, 227);  
box-shadow:4px 4px 4px 4px rgb(225, 45,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4304, 0.3183, 0.1626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 45, 227) }
```

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

```
.background{ background-color: rgb(225, 45,  
227) }
```

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