

Converting Colors

$Y_{xy}(23.5890, 0.3317, 0.1713)$

Have a look what the booklet for
Yxy(23.5890, 0.3317, 0.1713)
contains.

Yxy(23.5890, 0.3316, 0.1713)	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(23.5890, 0.3316, 0.1713)

Conversions

Conversions Part 1

Format	Color
Hex	E42FDA
RGB	228, 47, 218
RGB Percent	89%, 18%, 85%
CMY	0.1059, 0.8156, 0.1452
CMYK	0.00, 0.79, 0.04, 0.11
HSL	303°, 77%, 54%
HSV	303°, 79%, 89%
XYZ	45.6632, 23.5890, 68.4535
YIQ	120.6130, 52.9850, 91.5530

Conversions

Conversions Part 2

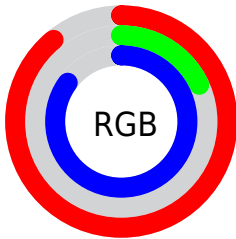
Format	Color
RYB	228, 47, 218
Decimal	14954458
CIELab	55.67, 82.66, -47.76
CIELCh	56, 95.468, 329.984
Yxy	23.5890, 0.3316, 0.1713
Android (android.graphics.Color)	4293144538 (0xFFE42FDA)
YUV	120.6130, 48.0118, 94.1784
Hunter-Lab	48.5685, 82.8276, -49.5667

Details

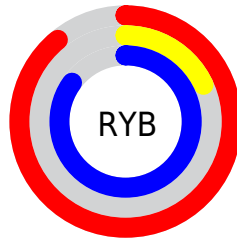
The Yxy color **23.5890, 0.3316, 0.1713** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **56.3894, 0.2988, 0.5682**, and the grayscale version is **18.8241, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7415, 0.3188, 0.1986**, and **10.9335, 0.3300, 0.1591** is the 20% darker color. If you saturate the color by 10%, you get **22.1515, 0.3336, 0.1649**, and if you desaturate by 10%, it is **25.9802, 0.3293, 0.1821**.

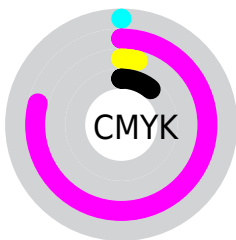
Distribution



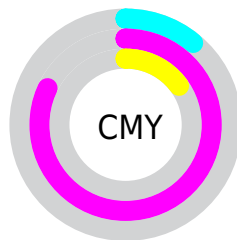
- Red (89%)
- Green (18%)
- Blue (85%)



- Red (89%)
- Yellow (18%)
- Blue (85%)



- Cyan (0%)
- Magenta (79%)
- Yellow (4%)
- Black (11%)




- Cyan (11%)
- Magenta (82%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5890, 0.3316, 0.1713 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 23.5890, 0.3316, 0.1713 by changing the saturation by 10% instead.


 23.5890, 0.3316,
0.1713

 23.5890, 0.3316,
0.1713


270.7360, 0.3261,
0.2451


 15.0290, 0.3318,
0.1549


 49.3587, 0.3305,
0.1967

 8.8398, 0.3313,
0.1352


 67.3372, 0.3298,
0.2066


 4.6368, 0.3295,
0.1113


 89.2239, 0.3291,
0.2153

 2.0358, 0.3249,
0.0826

 115.4034, 0.3285,
0.2228

 0.6281, 0.3151,
0.0477

 146.2599, 0.3278,
0.2294

 0.0000, 0.2958,
0.0000

182.1779, 0.3272,

 0.0000, 0.2241,

0.2352

0.0000

223.5418, 0.3266,
0.2404

■ 0.0000, 0.0000,
0.0000

■ 23.5890, 0.3316,
0.1713

■ 23.5890, 0.3316,
0.1713

■ 22.1515, 0.3336,
0.1649

■ 25.9802, 0.3293,
0.1821

■ 21.4544, 0.3354,
0.1623


■ 29.4521, 0.3269,
0.1970

■ 21.4192, 0.3355,
0.1622

■ 34.1155, 0.3243,
0.2156

■ 40.0668, 0.3217,
0.2368

■ 47.3927, 0.3192,
0.2598

 56.1720, 0.3168,
0.2835

 66.4779, 0.3146,
0.3073

 78.3785, 0.3126,
0.3304

 91.9379, 0.3108,
0.3524

Harmonies

Analogous

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



23.5890, 0.1943, 0.1329



23.5890, 0.3316, 0.1713



23.5890, 0.5050, 0.2369

Triad

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



23.5890, 0.3316, 0.1713



23.5890, 0.4870, 0.5122



23.5890, 0.0874, 0.2340

Complementary

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



23.5890, 0.3316, 0.1713



56.3894, 0.2988, 0.5682

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.



23.5890, 0.1306, 0.4164



23.5890, 0.3316, 0.1713



23.5890, 0.3560, 0.6196

Square

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



23.5890, 0.3316, 0.1713



23.5890, 0.5846, 0.3996



23.5890, 0.2298, 0.6154



23.5890, 0.0865, 0.1507

Rectangle

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



23.5890, 0.3316, 0.1713



23.5890, 0.5875, 0.2877



23.5890, 0.2298, 0.6154



23.5890, 0.0960, 0.2826

Sweetspot

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



23.5901, 0.3316, 0.1713



66.7579, 0.3180, 0.2722



8.4800, 0.1677, 0.0854



13.4439, 0.3188, 0.2636



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.



23.5901, 0.3316, 0.1713



27.9263, 0.3347, 0.1630



20.1007, 0.4643, 0.2527



14.6007, 0.3146, 0.3071



12.3739, 0.3353, 0.1621



0.9186, 0.3330, 0.1608

Inverse Universe

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



23.5901, 0.3316, 0.1713



27.9263, 0.3347, 0.1630



58.1863, 0.2643, 0.4504



14.6007, 0.3146, 0.3071



12.3739, 0.3353, 0.1621



0.9186, 0.3330, 0.1608

Previews

White Background



This preview shows how the Yxy color 23.5890, 0.3316, 0.1713 looks on a white background.

Color Contrast Check

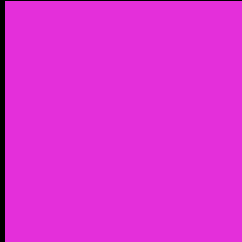
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5890, 0.3316, 0.1713 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

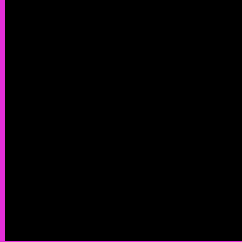
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.5890, 0.3316, 0.1713

Background



This preview shows how black text looks on a background with the Yxy color 23.5890, 0.3316, 0.1713.



This preview shows how white text looks on a background with the Yxy color 23.5890, 0.3316, 0.1713.

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

23.5890, 0.3316, 0.1713

Protanopia

24.2094, 0.1868, 0.1614

Deuteranopia

23.7727, 0.2225, 0.2163



Tritanopia

23.5244, 0.4748, 0.3226

Trichromacy



Original Color

23.5890, 0.3316, 0.1713



Protanomaly

19.6627, 0.2126, 0.1461



Deuteranomaly

20.1756, 0.2514, 0.1807



Tritanomaly

22.5066, 0.4219, 0.2557

Monochromacy



Original Color

23.5890, 0.3316, 0.1713



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

17.8793, 0.3224, 0.2353

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5890, 0.3316, 0.1713 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(228, 47, 218)` looks like.

```
.text, #text, p{  
    color:rgb(228, 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(228, 47, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 47, 218) }
```

Border

The CSS property to change the border of an element to Yxy 23.5890, 0.3316, 0.1713 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(228, 47, 218) }
```

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

```
.border{ border-color:rgb(228, 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(228, 47, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 47, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 47, 218);  
box-shadow:4px 4px 4px 4px rgb(228, 47,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5890, 0.3316, 0.1713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 47, 218) }
```

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

```
.background{ background-color: rgb(228, 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](#).

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