

Converting Colors

Yxy(23.0767, 0.3430, 0.1663)

Have a look what the booklet for
Yxy(23.0767, 0.3430, 0.1663)
contains.

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Color

Yxy(23.0665, 0.3425, 0.1660)

Conversions

Conversions Part 1

Format	Color
Hex	ED00DA
RGB	237, 0, 218
RGB Percent	93%, 0%, 85%
CMY	0.0704, 1.0000, 0.1450
CMYK	0.00, 1.00, 0.08, 0.07
HSL	305°, 100%, 46%
HSV	305°, 100%, 93%
XYZ	47.5920, 23.0665, 68.2963
YIQ	95.7150, 71.2740, 118.0420

Conversions

Conversions Part 2

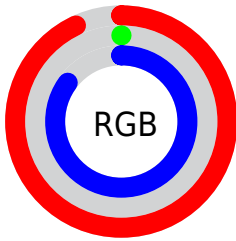
Format	Color
R_{YB}	237, 0, 218
Decimal	15532250
CIE _{Lab}	55.14, 90.40, -48.55
CIE _{LCh}	55, 102.610, 331.764
Yxy	23.0665, 0.3425, 0.1660
Android (android.graphics.Color)	4293722330 (0xFFED00DA)
YUV	95.7150, 60.2865, 123.9069
Hunter-Lab	48.0276, 92.8329, -50.6924

Details

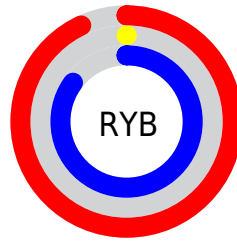
The Yxy color **23.0665, 0.3425, 0.1660** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **60.6362, 0.2988, 0.5958**, and the grayscale version is **11.4673, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5943, 0.3193, 0.1880**, and **11.8387, 0.3419, 0.1657** is the 20% darker color. If you saturate the color by 10%, you get **23.0744, 0.3425, 0.1660**, and if you desaturate by 10%, it is **23.8156, 0.3399, 0.1681**.

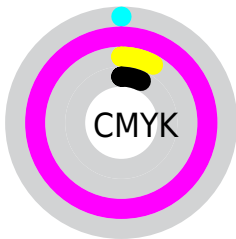
Distribution



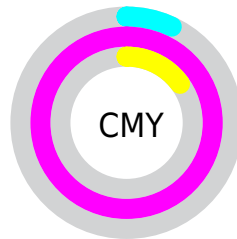
- Red (93%)
- Green (0%)
- Blue (85%)



- Red (93%)
- Yellow (0%)
- Blue (85%)



- Cyan (0%)
- Magenta (100%)
- Yellow (8%)
- Black (7%)




- Cyan (7%)
- Magenta (100%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.0665, 0.3425, 0.1660 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 23.0665, 0.3425, 0.1660 by changing the saturation by 10% instead.


 23.0665, 0.3425,
0.1660


 23.0665, 0.3425,
0.1660


268.0664, 0.3316,
0.2417


 14.6426, 0.3439,
0.1494


 48.5025, 0.3395,
0.1919


 8.5690, 0.3450,
0.1295


 66.2834, 0.3381,
0.2021


 4.4611, 0.3452,
0.1055


 87.9521, 0.3368,
0.2110

 1.9347, 0.3434,
0.0771

 113.8930, 0.3356,
0.2187

 0.5691, 0.3375,
0.0422

 144.4905, 0.3345,
0.2255

 0.0000, 0.3227,
0.0000


180.1289, 0.3334,

 0.0000, 0.2683,

0.2315

0.0000


221.1928, 0.3325,
0.2369


 0.0000, 0.0000,
0.0000

 23.0665, 0.3425,
0.1660


 23.0665, 0.3425,
0.1660

 23.0744, 0.3425,
0.1660

 23.8156, 0.3399,
0.1681

 25.3415, 0.3371,
0.1738

 27.8987, 0.3340,
0.1841

 31.6326, 0.3307,
0.1985

 36.6655, 0.3273,
0.2166

■ 43.1042, 0.3240,
0.2373

■ 51.0444, 0.3208,
0.2598

■ 60.5736, 0.3179,
0.2831

■ 71.7725, 0.3152,
0.3064

Harmonies

Analogous

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



23.0665, 0.1932, 0.1250



23.0665, 0.3425, 0.1660



23.0665, 0.5295, 0.2344

Triad

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



23.0665, 0.3425, 0.1660



23.0665, 0.4795, 0.5205



23.0665, 0.0757, 0.2173

Complementary

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



23.0665, 0.3425, 0.1660



60.6362, 0.2988, 0.5958

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.



23.0665, 0.1141, 0.4073



23.0665, 0.3425, 0.1660



23.0665, 0.3417, 0.6430

Square

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



23.0665, 0.3425, 0.1660



23.0665, 0.5929, 0.4014



23.0665, 0.2118, 0.6355



23.0665, 0.0779, 0.1375

Rectangle

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



23.0665, 0.3425, 0.1660



23.0665, 0.6119, 0.2859



23.0665, 0.2118, 0.6355



23.0665, 0.0828, 0.2660

Sweetspot

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



23.0744, 0.3425, 0.1660



60.1314, 0.3209, 0.2596



6.2249, 0.1516, 0.0609



11.9756, 0.3222, 0.2499



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.



23.0744, 0.3425, 0.1660



27.2326, 0.3426, 0.1661



18.9843, 0.5278, 0.2681



15.2917, 0.3150, 0.3076



12.6027, 0.3421, 0.1658



0.9958, 0.3388, 0.1640

Inverse Universe

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



23.0744, 0.3425, 0.1660



27.2326, 0.3426, 0.1661



62.3193, 0.2667, 0.4801



15.2917, 0.3150, 0.3076



12.6027, 0.3421, 0.1658



0.9958, 0.3388, 0.1640

Previews

White Background



This preview shows how the Yxy color 23.0665, 0.3425, 0.1660 looks on a white background.

Color Contrast Check

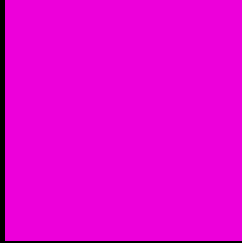
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.0665, 0.3425, 0.1660 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 23.0665, 0.3425, 0.1660

Background



This preview shows how black text looks on a background with the Yxy color 23.0665, 0.3425, 0.1660.



This preview shows how white text looks on a background with the Yxy color 23.0665, 0.3425, 0.1660.

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

23.0665, 0.3425, 0.1660

Protanopia

23.8812, 0.1858, 0.1598

Deuteranopia

23.7795, 0.2237, 0.2176



Tritanopia

23.4185, 0.5024, 0.3244

Trichromacy



Original Color

23.0665, 0.3425, 0.1660



Protanomaly

16.7305, 0.2106, 0.1288



Deuteranomaly

17.5397, 0.2532, 0.1628



Tritanomaly

21.1965, 0.4486, 0.2490

Monochromacy



Original Color

23.0665, 0.3425, 0.1660



Achromatopsia

11.6971, 0.3127, 0.3290



Achromatomaly

11.4340, 0.3297, 0.2045

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0665, 0.3425, 0.1660 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(237, 0, 218)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 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(237, 0, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 218) }
```

Border

The CSS property to change the border of an element to Yxy 23.0665, 0.3425, 0.1660 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(237, 0, 218) }
```

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

```
.border{ border-color:rgb(237, 0, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 0, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 218);  
box-shadow:4px 4px 4px 4px rgb(237, 0,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0665, 0.3425, 0.1660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 0, 218) }
```

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

```
.background{ background-color: rgb(237, 0,  
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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