

Converting Colors

Yxy(23.0126, 0.3168, 0.1537)

Have a look what the booklet for
Yxy(23.0126, 0.3168, 0.1537)
contains.

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Color

Yxy(23.0768, 0.3176, 0.1542)

Conversions

Conversions Part 1

Format	Color
Hex	E610E9
RGB	230, 16, 233
RGB Percent	90%, 6%, 91%
CMY	0.0980, 0.9375, 0.0862
CMYK	0.01, 0.93, 0.00, 0.09
HSL	299°, 87%, 49%
HSV	299°, 93%, 91%
XYZ	47.5304, 23.0768, 79.0478
YIQ	104.7240, 57.8870, 112.8550

Conversions

Conversions Part 2

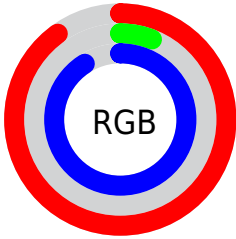
Format	Color
R _Y B	230, 16, 233
Decimal	15077609
CIE Lab	55.15, 90.18, -57.08
CIE LCh	55, 106.727, 327.670
Yxy	23.0768, 0.3176, 0.1542
Android (android.graphics.Color)	4293267689 (0xFFE610E9)
YUV	104.7240, 63.2401, 109.8671
Hunter-Lab	48.0383, 92.5457, -63.9358

Details

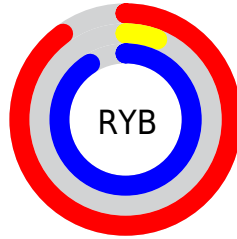
The Yxy color **23.0768, 0.3176, 0.1542** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **58.4590, 0.3005, 0.5954**, and the grayscale version is **13.8545, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1805, 0.3192, 0.1900**, and **11.5696, 0.3110, 0.1487** is the 20% darker color. If you saturate the color by 10%, you get **22.6726, 0.3174, 0.1522**, and if you desaturate by 10%, it is **24.2293, 0.3177, 0.1598**.

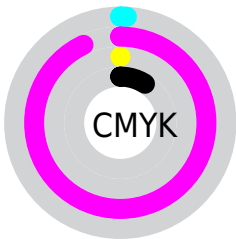
Distribution



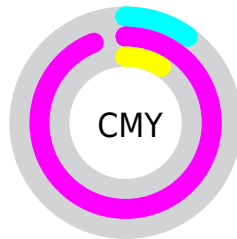
- Red (90%)
- Green (6%)
- Blue (91%)



- Red (90%)
- Yellow (6%)
- Blue (91%)



- Cyan (1%)
- Magenta (93%)
- Yellow (0%)
- Black (9%)





- Cyan (10%)
- Magenta (94%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.0768, 0.3176, 0.1542 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 23.0768, 0.3176, 0.1542 by changing the saturation by 10% instead.


 23.0768, 0.3176,
0.1542


 23.0768, 0.3176,
0.1542


268.1192, 0.3204,
0.2338

 14.6502, 0.3154,
0.1373


 48.5194, 0.3198,
0.1810


 8.5743, 0.3119,
0.1173


 66.3042, 0.3203,
0.1917


 4.4646, 0.3060,
0.0938


 87.9772, 0.3205,
0.2010

 1.9367, 0.2961,
0.0667

 113.9229, 0.3207,
0.2092

 0.5703, 0.2791,
0.0351

 144.5255, 0.3207,
0.2164

 0.0000, 0.2494,
0.0000

180.1695, 0.3206,

 0.0000, 0.1856,

0.2228

0.0000

221.2393, 0.3206,
0.2286

■ 0.0000, 0.0000,
0.0000

■ 23.0768, 0.3176,
0.1542

■ 23.0768, 0.3176,
0.1542

■ 22.6726, 0.3174,
0.1522

■ 24.2293, 0.3177,
0.1598

■ 26.3203, 0.3177,
0.1696

■ 29.4999, 0.3174,
0.1837

■ 33.8911, 0.3170,
0.2018

■ 39.6004, 0.3164,
0.2230

■ 46.7225, 0.3156,
0.2466

■ 55.3438, 0.3148,
0.2714

■ 65.5435, 0.3139,
0.2966

■ 77.3952, 0.3130,
0.3213

Harmonies

Analogous

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



23.0768, 0.1746, 0.1172



23.0768, 0.3176, 0.1542



23.0768, 0.5130, 0.2205

Triad

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



23.0768, 0.3176, 0.1542



23.0768, 0.4978, 0.5022



23.0768, 0.0727, 0.2310

Complementary

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



23.0768, 0.3176, 0.1542



58.4590, 0.3005, 0.5954

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.



23.0768, 0.1177, 0.4462



23.0768, 0.3176, 0.1542



23.0768, 0.3586, 0.6403

Square

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



23.0768, 0.3176, 0.1542



23.0768, 0.6098, 0.3845



23.0768, 0.2228, 0.6663



23.0768, 0.0712, 0.1389

Rectangle

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



23.0768, 0.3176, 0.1542



23.0768, 0.6101, 0.2719



23.0768, 0.2228, 0.6663



23.0768, 0.0815, 0.2871

Sweetspot

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



23.0779, 0.3176, 0.1542



62.4085, 0.3152, 0.2589



6.4783, 0.1529, 0.0653



12.4138, 0.3156, 0.2482



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.



23.0779, 0.3176, 0.1542



27.8183, 0.3174, 0.1522



19.2553, 0.4763, 0.2433



15.3026, 0.3136, 0.3058



12.8684, 0.3175, 0.1523



1.0139, 0.3180, 0.1525

Inverse Universe

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



17.7411, 0.6291, 0.3291



21.2677, 0.6391, 0.3294



59.7706, 0.2724, 0.4964



15.0574, 0.3291, 0.3287



9.8353, 0.6386, 0.3291



0.7735, 0.6345, 0.3269

Previews

White Background



This preview shows how the Yxy color 23.0768, 0.3176, 0.1542 looks on a white background.

Color Contrast Check

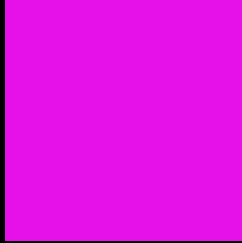
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.0768, 0.3176, 0.1542 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

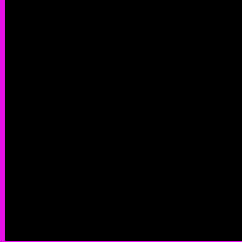
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.0768, 0.3176, 0.1542

Background



This preview shows how black text looks on a background with the Yxy color 23.0768, 0.3176, 0.1542.



This preview shows how white text looks on a background with the Yxy color 23.0768, 0.3176, 0.1542.

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

23.0768, 0.3176, 0.1542

Protanopia

23.7904, 0.1850, 0.1595

Deuteranopia

23.4673, 0.2054, 0.1989



Tritanopia

22.9832, 0.4781, 0.3226

Trichromacy



Original Color

23.0768, 0.3176, 0.1542



Protanomaly

17.6879, 0.2066, 0.1304



Deuteranomaly

17.6807, 0.2289, 0.1511



Tritanomaly

20.9890, 0.4193, 0.2403

Monochromacy



Original Color

23.0768, 0.3176, 0.1542



Achromatopsia

14.1263, 0.3127, 0.3290



Achromatomaly

13.5161, 0.3155, 0.2068

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0768, 0.3176, 0.1542 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(230, 16, 233)` looks like.

```
.text, #text, p{  
    color:rgb(230, 16, 233)  
}
```

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(230, 16, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 16, 233) }
```

Border

The CSS property to change the border of an element to Yxy 23.0768, 0.3176, 0.1542 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(230, 16, 233) }
```

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

```
.border{ border-color:rgb(230, 16, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 16, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 16, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 16, 233);  
box-shadow:4px 4px 4px 4px rgb(230, 16,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0768, 0.3176, 0.1542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 16, 233) }
```

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

```
.background{ background-color: rgb(230, 16,  
233) }
```

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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