

Converting Colors

$Y_{xy}(23.2150, 0.3532, 0.1719)$

Have a look what the booklet for
Yxy(23.2150, 0.3532, 0.1719)
contains.

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Color

Yxy(23.2787, 0.3533, 0.1720)

Conversions

Conversions Part 1

Format	Color
Hex	F000D4
RGB	240, 0, 212
RGB Percent	94%, 0%, 83%
CMY	0.0588, 0.9996, 0.1687
CMYK	0.00, 1.00, 0.12, 0.06
HSL	307°, 100%, 47%
HSV	307°, 100%, 94%
XYZ	47.8161, 23.2787, 64.2465
YIQ	95.9280, 74.9880, 116.8120

Conversions

Conversions Part 2

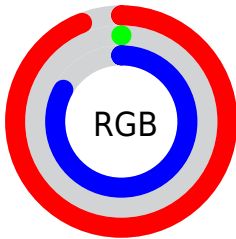
Format	Color
R _Y B	240, 0, 212
Decimal	15728852
CIE Lab	55.36, 90.08, -44.72
CIE LCh	55, 100.573, 333.600
Yxy	23.2787, 0.3533, 0.1720
Android (android.graphics.Color)	4293918932 (0xFFFF00D4)
YUV	95.9280, 57.2235, 126.3511
Hunter-Lab	48.2480, 92.4680, -45.1763

Details

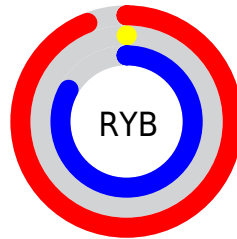
The Yxy color **23.2787, 0.3533, 0.1720** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **62.4045, 0.2980, 0.5928**, and the grayscale version is **11.5405, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5943, 0.3193, 0.1880**, and **12.0180, 0.3545, 0.1726** is the 20% darker color. If you saturate the color by 10%, you get **23.2768, 0.3533, 0.1720**, and if you desaturate by 10%, it is **24.0780, 0.3494, 0.1735**.

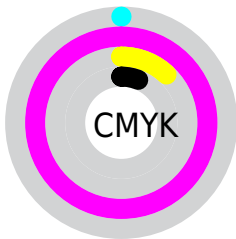
Distribution



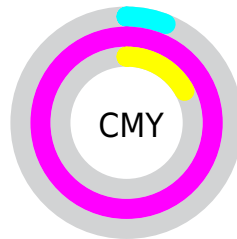
- Red (94%)
- Green (0%)
- Blue (83%)



- Red (94%)
- Yellow (0%)
- Blue (83%)



- Cyan (0%)
- Magenta (100%)
- Yellow (12%)
- Black (6%)





- Cyan (6%)
- Magenta (100%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.2787, 0.3533, 0.1720 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 23.2787, 0.3533, 0.1720 by changing the saturation by 10% instead.

 23.2787, 0.3533,
0.1720


 23.2787, 0.3533,
0.1720


269.1532, 0.3363,
0.2456


 14.7994, 0.3564,
0.1556


 48.8505, 0.3480,
0.1973


 8.6787, 0.3597,
0.1359


 66.7119, 0.3457,
0.2073


 4.5322, 0.3630,
0.1120


 88.4694, 0.3437,
0.2158

 1.9755, 0.3654,
0.0831

 114.5075, 0.3419,
0.2233

 0.5932, 0.3656,
0.0472

 145.2105, 0.3403,
0.2299

 0.0000, 0.3610,
0.0000

180.9629, 0.3388,

 0.0000, 0.3170,

0.2357

0.0000

222.1490, 0.3375,
0.2409

■ 0.0000, 0.0000,
0.0000

■ 23.2787, 0.3533,
0.1720

■ 23.2787, 0.3533,
0.1720

■ 23.2768, 0.3533,
0.1720

■ 24.0780, 0.3494,
0.1735

■ 25.6884, 0.3452,
0.1788

■ 28.3622, 0.3407,
0.1886

■ 32.2493, 0.3361,
0.2027

■ 37.4756, 0.3316,
0.2203

■ 44.1513, 0.3271,
0.2406

■ 52.3751, 0.3230,
0.2624

■ 62.2371, 0.3192,
0.2849

■ 73.8204, 0.3157,
0.3073

Harmonies

Analogous

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



23.2787, 0.2023, 0.1293



23.2787, 0.3533, 0.1720



23.2787, 0.5347, 0.2411

Triad

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



23.2787, 0.3533, 0.1720



23.2787, 0.4718, 0.5282



23.2787, 0.0779, 0.2127

Complementary

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



23.2787, 0.3533, 0.1720



62.4045, 0.2980, 0.5928

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.



23.2787, 0.1137, 0.3913



23.2787, 0.3533, 0.1720



23.2787, 0.3353, 0.6421

Square

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



23.2787, 0.3533, 0.1720



23.2787, 0.5843, 0.4091



23.2787, 0.2078, 0.6185



23.2787, 0.0818, 0.1379

Rectangle

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



23.2787, 0.3533, 0.1720



23.2787, 0.6104, 0.2926



23.2787, 0.2078, 0.6185



23.2787, 0.0843, 0.2582

Sweetspot

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



23.2799, 0.3533, 0.1720



59.9579, 0.3230, 0.2621



6.5419, 0.1535, 0.0620



11.9335, 0.3248, 0.2527



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.



23.2799, 0.3533, 0.1720



26.7080, 0.3534, 0.1721



19.3014, 0.5485, 0.2796



15.9978, 0.3156, 0.3084



12.7552, 0.3527, 0.1717



1.0700, 0.3480, 0.1691

Inverse Universe

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



23.2799, 0.3533, 0.1720



26.7080, 0.3534, 0.1721



64.4595, 0.2617, 0.4620



15.9978, 0.3156, 0.3084



12.7552, 0.3527, 0.1717



1.0700, 0.3480, 0.1691

Previews

White Background



This preview shows how the Yxy color 23.2787, 0.3533, 0.1720 looks on a white background.

Color Contrast Check

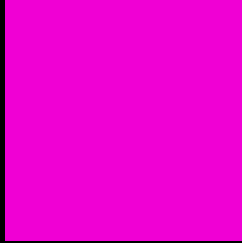
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.2787, 0.3533, 0.1720 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 23.2787, 0.3533, 0.1720

Background



This preview shows how black text looks on a background with the Yxy color 23.2787, 0.3533, 0.1720.



This preview shows how white text looks on a background with the Yxy color 23.2787, 0.3533, 0.1720.

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

23.2787, 0.3533, 0.1720

Protanopia

24.2094, 0.1868, 0.1614

Deuteranopia

23.9018, 0.2318, 0.2260



Tritanopia

23.5491, 0.5124, 0.3247

Trichromacy



Original Color

23.2787, 0.3533, 0.1720



Protanomaly

16.9305, 0.2145, 0.1324



Deuteranomaly

17.7267, 0.2634, 0.1700



Tritanomaly

21.5633, 0.4603, 0.2538

Monochromacy



Original Color

23.2787, 0.3533, 0.1720



Achromatopsia

11.6971, 0.3127, 0.3290



Achromatomaly

11.4684, 0.3344, 0.2077

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2787, 0.3533, 0.1720 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(240, 0, 212)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 212)  
}
```

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(240, 0, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 212) }
```

Border

The CSS property to change the border of an element to Yxy 23.2787, 0.3533, 0.1720 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(240, 0, 212) }
```

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

```
.border{ border-color:rgb(240, 0, 212) }
```

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

Here you see how a box with a 4 pixel rgb(240, 0, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 212);  
box-shadow:4px 4px 4px 4px rgb(240, 0,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2787, 0.3533, 0.1720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 0, 212) }
```

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

```
.background{ background-color: rgb(240, 0,  
212) }
```

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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