

Converting Colors

$Y_{xy}(23.3710, 0.3637, 0.1777)$

Have a look what the booklet for
Yxy(23.3710, 0.3637, 0.1777)
contains.

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Color

Yxy(23.3335, 0.3633, 0.1775)

Conversions

Conversions Part 1

Format	Color
Hex	F200CE
RGB	242, 0, 206
RGB Percent	95%, 0%, 81%
CMY	0.0510, 0.9998, 0.1922
CMYK	0.00, 1.00, 0.15, 0.05
HSL	309°, 100%, 47%
HSV	309°, 100%, 95%
XYZ	47.7581, 23.3335, 60.3648
YIQ	95.8420, 78.1060, 115.3700

Conversions

Conversions Part 2

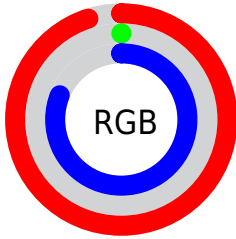
Format	Color
R_{YB}	242, 0, 206
Decimal	15859918
CIE _{Lab}	55.41, 89.68, -41.17
CIE _{LCh}	55, 98.682, 335.341
Yxy	23.3335, 0.3633, 0.1775
Android (android.graphics.Color)	4294049998 (0xFFFF200CE)
YUV	95.8420, 54.3079, 128.1806
Hunter-Lab	48.3048, 91.9465, -40.2793

Details

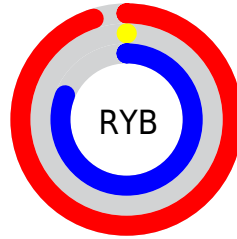
The Yxy color **23.3335, 0.3633, 0.1775** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **63.6370, 0.2970, 0.5893**, and the grayscale version is **11.5155, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5943, 0.3193, 0.1880**, and **12.0581, 0.3678, 0.1800** is the 20% darker color. If you saturate the color by 10%, you get **23.3334, 0.3633, 0.1775**, and if you desaturate by 10%, it is **24.1743, 0.3581, 0.1784**.

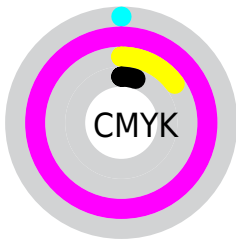
Distribution



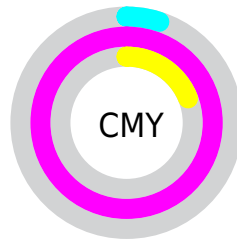
- Red (95%)
- Green (0%)
- Blue (81%)



- Red (95%)
- Yellow (0%)
- Blue (81%)



- Cyan (0%)
- Magenta (100%)
- Yellow (15%)
- Black (5%)





- Cyan (5%)
- Magenta (100%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3335, 0.3633, 0.1775 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 23.3335, 0.3633, 0.1775 by changing the saturation by 10% instead.


 23.3335, 0.3633,
0.1775


 23.3335, 0.3633,
0.1775


269.4333, 0.3406,
0.2491


 14.8400, 0.3680,
0.1614


 48.9404, 0.3557,
0.2023


 8.7071, 0.3734,
0.1418


 66.8225, 0.3527,
0.2120


 4.5507, 0.3796,
0.1178


 88.6029, 0.3500,
0.2203

 1.9861, 0.3862,
0.0885

 114.6660, 0.3477,
0.2276

 0.5994, 0.3929,
0.0514

 145.3962, 0.3456,
0.2340

 0.0000, 0.3991,
0.0000


181.1779, 0.3438,


 0.0000, 0.3670,


0.2396


0.0000


222.3955, 0.3421,
0.2446


 0.0000, 0.0000,
0.0000


 23.3335, 0.3633,
0.1775

 23.3335, 0.3633,
0.1775


 23.3334, 0.3633,
0.1775

 24.1743, 0.3581,
0.1784

 25.8426, 0.3527,
0.1833

 28.5960, 0.3469,
0.1927

 32.5877, 0.3411,
0.2064

 37.9463, 0.3354,
0.2236

■ 44.7844, 0.3299,
0.2433

■ 53.2027, 0.3249,
0.2645

■ 63.2932, 0.3203,
0.2864

■ 75.1408, 0.3163,
0.3080

Harmonies

Analogous

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



23.3335, 0.2109, 0.1332



23.3335, 0.3633, 0.1775



23.3335, 0.5395, 0.2472

Triad

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



23.3335, 0.3633, 0.1775



23.3335, 0.4646, 0.5354



23.3335, 0.0798, 0.2085

Complementary

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



23.3335, 0.3633, 0.1775



63.6370, 0.2970, 0.5893

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.



23.3335, 0.1131, 0.3772



23.3335, 0.3633, 0.1775



23.3335, 0.3295, 0.6415

Square

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



23.3335, 0.3633, 0.1775



23.3335, 0.5765, 0.4162



23.3335, 0.2038, 0.6026



23.3335, 0.0853, 0.1381

Rectangle

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



23.3335, 0.3633, 0.1775



23.3335, 0.6091, 0.2987



23.3335, 0.2038, 0.6026



23.3335, 0.0856, 0.2514

Sweetspot

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



23.3347, 0.3633, 0.1775



59.8080, 0.3249, 0.2643



6.7242, 0.1543, 0.0624



11.8972, 0.3270, 0.2552



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.



23.3347, 0.3633, 0.1775



26.2713, 0.3634, 0.1776



19.5968, 0.5554, 0.2833



15.9886, 0.3161, 0.3091



12.5502, 0.3625, 0.1771



1.0549, 0.3562, 0.1736

Inverse Universe

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



23.3347, 0.3633, 0.1775



26.2713, 0.3634, 0.1776



65.8185, 0.2600, 0.4560



15.9886, 0.3161, 0.3091



12.5502, 0.3625, 0.1771



1.0549, 0.3562, 0.1736

Previews

White Background



This preview shows how the Yxy color 23.3335, 0.3633, 0.1775 looks on a white background.

Color Contrast Check

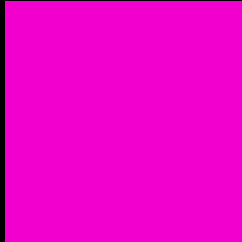
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.3335, 0.3633, 0.1775 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 23.3335, 0.3633, 0.1775

Background



This preview shows how black text looks on a background with the Yxy color 23.3335, 0.3633, 0.1775.



This preview shows how white text looks on a background with the Yxy color 23.3335, 0.3633, 0.1775.

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

23.3335, 0.3633, 0.1775

Protanopia

24.2420, 0.1871, 0.1615

Deuteranopia

24.0048, 0.2400, 0.2345



Tritanopia

23.5457, 0.5184, 0.3248

Trichromacy



Original Color

23.3335, 0.3633, 0.1775



Protanomaly

16.8901, 0.2163, 0.1339



Deuteranomaly

17.9451, 0.2743, 0.1775



Tritanomaly

21.7299, 0.4678, 0.2572

Monochromacy



Original Color

23.3335, 0.3633, 0.1775



Achromatopsia

11.6971, 0.3127, 0.3290



Achromatomaly

11.5046, 0.3393, 0.2109

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3335, 0.3633, 0.1775 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(242, 0, 206)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 206)  
}
```

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(242, 0, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 206) }
```

Border

The CSS property to change the border of an element to Yxy 23.3335, 0.3633, 0.1775 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(242, 0, 206) }
```

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

```
.border{ border-color:rgb(242, 0, 206) }
```

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

Here you see how a box with a 4 pixel rgb(242, 0, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 206);  
box-shadow:4px 4px 4px 4px rgb(242, 0,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3335, 0.3633, 0.1775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 0, 206) }
```

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

```
.background{ background-color: rgb(242, 0,  
206) }
```

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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