

Converting Colors

$Y_{xy}(23.1798, 0.3690, 0.1807)$

Have a look what the booklet for
Yxy(23.1798, 0.3690, 0.1807)
contains.

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Color

Yxy(23.1632, 0.3686, 0.1805)

Conversions

Conversions Part 1

Format	Color
Hex	F201CA
RGB	242, 1, 202
RGB Percent	95%, 0%, 79%
CMY	0.0508, 0.9974, 0.2078
CMYK	0.00, 1.00, 0.17, 0.05
HSL	310°, 99%, 48%
HSV	310°, 100%, 95%
XYZ	47.3017, 23.1632, 57.8631
YIQ	95.9730, 79.1150, 113.6030

Conversions

Conversions Part 2

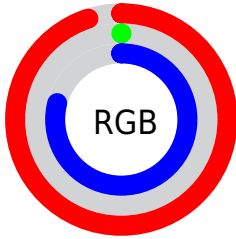
Format	Color
R _Y B	242, 1, 202
Decimal	15860170
CIE Lab	55.24, 89.16, -39.17
CIE LCh	55, 97.388, 336.283
Yxy	23.1632, 0.3686, 0.1805
Android (android.graphics.Color)	4294050250 (0xFFFF201CA)
YUV	95.9730, 52.2713, 128.0657
Hunter-Lab	48.1282, 91.2105, -37.5929

Details

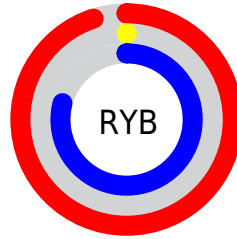
The Yxy color **23.1632, 0.3686, 0.1805** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **63.6927, 0.2964, 0.5869**, and the grayscale version is **11.5011, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5943, 0.3193, 0.1880**, and **11.9303, 0.3749, 0.1839** is the 20% darker color. If you saturate the color by 10%, you get **23.1447, 0.3688, 0.1805**, and if you desaturate by 10%, it is **24.0324, 0.3627, 0.1811**.

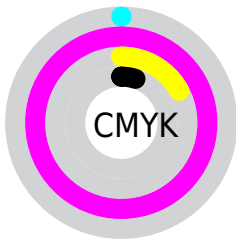
Distribution



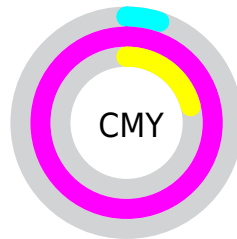
- Red (95%)
- Green (0%)
- Blue (79%)



- Red (95%)
- Yellow (0%)
- Blue (79%)



- Cyan (0%)
- Magenta (100%)
- Yellow (17%)
- Black (5%)





- Cyan (5%)
- Magenta (100%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.1632, 0.3686, 0.1805 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 23.1632, 0.3686, 0.1805 by changing the saturation by 10% instead.


 23.1632, 0.3686,
0.1805


 23.1632, 0.3686,
0.1805


268.5621, 0.3428,
0.2511


 14.7141, 0.3742,
0.1644


 48.6612, 0.3598,
0.2051


 8.6190, 0.3808,
0.1449


 66.4788, 0.3564,
0.2146


 4.4935, 0.3887,
0.1208


 88.1880, 0.3533,
0.2229

 1.9533, 0.3977,
0.0911

 114.1732, 0.3507,
0.2300

 0.5801, 0.4082,
0.0528

 144.8189, 0.3484,
0.2363

 0.0000, 0.4204,
0.0000

180.5093, 0.3463,


 0.0000, 0.3939,


0.2418

0.0000

221.6289, 0.3445,
0.2467

 0.0000, 0.0000,
0.0000


 23.1632, 0.3686,
0.1805

 23.1632, 0.3686,
0.1805


 23.1447, 0.3688,
0.1805

 24.0324, 0.3627,
0.1811

 25.7432, 0.3565,
0.1859

 28.5449, 0.3501,
0.1953

 32.5898, 0.3436,
0.2088

 38.0062, 0.3373,
0.2259

■ 44.9062, 0.3313,
0.2453

■ 53.3905, 0.3258,
0.2663

■ 63.5509, 0.3208,
0.2877

■ 75.4721, 0.3164,
0.3090

Harmonies

Analogous

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



23.1632, 0.2155, 0.1354



23.1632, 0.3686, 0.1805



23.1632, 0.5417, 0.2505

Triad

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



23.1632, 0.3686, 0.1805



23.1632, 0.4609, 0.5391



23.1632, 0.0809, 0.2064

Complementary

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



23.1632, 0.3686, 0.1805



63.6927, 0.2964, 0.5869

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.



23.1632, 0.1129, 0.3700



23.1632, 0.3686, 0.1805



23.1632, 0.3264, 0.6408

Square

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



23.1632, 0.3686, 0.1805



23.1632, 0.5723, 0.4200



23.1632, 0.2017, 0.5939



23.1632, 0.0873, 0.1383

Rectangle

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



23.1632, 0.3686, 0.1805



23.1632, 0.6082, 0.3020



23.1632, 0.2017, 0.5939



23.1632, 0.0864, 0.2479

Sweetspot

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



23.1644, 0.3686, 0.1805



59.7298, 0.3260, 0.2655



6.8189, 0.1554, 0.0631



11.8783, 0.3282, 0.2565



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.



23.1644, 0.3686, 0.1805



26.0494, 0.3689, 0.1806



19.5577, 0.5612, 0.2867



15.9838, 0.3163, 0.3095



12.4459, 0.3678, 0.1800



1.0472, 0.3606, 0.1760

Inverse Universe

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



23.1644, 0.3686, 0.1805



26.0494, 0.3689, 0.1806



65.9883, 0.2583, 0.4496



15.9838, 0.3163, 0.3095



12.4459, 0.3678, 0.1800



1.0472, 0.3606, 0.1760

Previews

White Background



This preview shows how the Yxy color 23.1632, 0.3686, 0.1805 looks on a white background.

Color Contrast Check

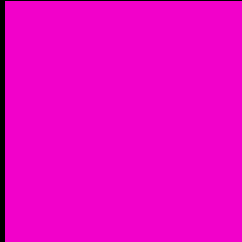
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1632, 0.3686, 0.1805 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 23.1632, 0.3686, 0.1805

Background



This preview shows how black text looks on a background with the Yxy color 23.1632, 0.3686, 0.1805.



This preview shows how white text looks on a background with the Yxy color 23.1632, 0.3686, 0.1805.

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

23.1632, 0.3686, 0.1805

Protanopia

24.2094, 0.1868, 0.1614

Deuteranopia

23.6874, 0.2440, 0.2384



Tritanopia

23.5332, 0.5227, 0.3258

Trichromacy



Original Color

23.1632, 0.3686, 0.1805



Protanomaly

16.7547, 0.2160, 0.1341



Deuteranomaly

17.7093, 0.2793, 0.1805



Tritanomaly

21.7328, 0.4742, 0.2602

Monochromacy



Original Color

23.1632, 0.3686, 0.1805



Achromatopsia

11.6971, 0.3127, 0.3290



Achromatomaly

11.4763, 0.3409, 0.2122

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1632, 0.3686, 0.1805 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, 1, 202)` looks like.

```
.text, #text, p{  
    color:rgb(242, 1, 202)  
}
```

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, 1, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 1, 202) }
```

Border

The CSS property to change the border of an element to Yxy 23.1632, 0.3686, 0.1805 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, 1, 202) }
```

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

```
.border{ border-color:rgb(242, 1, 202) }
```

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

Here you see how a box with a 4 pixel rgb(242, 1, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 1, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 1, 202);  
box-shadow:4px 4px 4px 4px rgb(242, 1,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1632, 0.3686, 0.1805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 1, 202) }
```

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

```
.background{ background-color: rgb(242, 1,  
202) }
```

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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