

Converting Colors

$Y_{xy}(23.7302, 0.3690, 0.1807)$

Have a look what the booklet for
Yxy(23.7302, 0.3690, 0.1807)
contains.

Yxy(23.7938, 0.3693, 0.1809)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.7938, 0.3693, 0.1809)

Conversions

Conversions Part 1

Format	Color
Hex	F501CC
RGB	245, 1, 204
RGB Percent	96%, 0%, 80%
CMY	0.0391, 0.9969, 0.2000
CMYK	0.00, 1.00, 0.17, 0.04
HSL	310°, 99%, 48%
HSV	310°, 100%, 96%
XYZ	48.5741, 23.7938, 59.1623
YIQ	97.0980, 80.2610, 114.8610

Conversions

Conversions Part 2

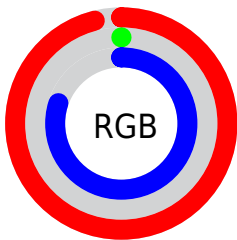
Format	Color
R_{YB}	245, 1, 204
Decimal	16056780
CIE _{Lab}	55.88, 89.92, -39.27
CIE _{LCh}	56, 98.123, 336.409
Yxy	23.7938, 0.3693, 0.1809
Android (android.graphics.Color)	4294246860 (0xFFFF501CC)
YUV	97.0980, 52.7027, 129.7101
Hunter-Lab	48.7789, 92.3875, -37.7656

Details

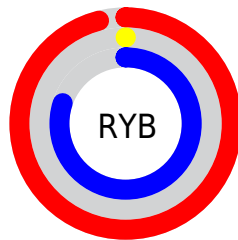
The Yxy color **23.7938, 0.3693, 0.1809** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **65.4939, 0.2963, 0.5866**, and the grayscale version is **11.8046, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7874, 0.3193, 0.1887**, and **12.3603, 0.3758, 0.1844** is the 20% darker color. If you saturate the color by 10%, you get **23.7713, 0.3695, 0.1809**, and if you desaturate by 10%, it is **24.6861, 0.3633, 0.1815**.

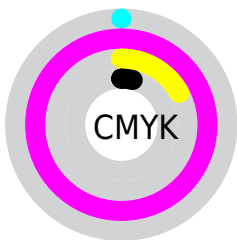
Distribution



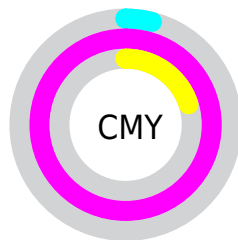
- Red (96%)
- Green (0%)
- Blue (80%)



- Red (96%)
- Yellow (0%)
- Blue (80%)



- Cyan (0%)
- Magenta (100%)
- Yellow (17%)
- Black (4%)





- Cyan (4%)
- Magenta (100%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7938, 0.3693, 0.1809 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 23.7938, 0.3693, 0.1809 by changing the saturation by 10% instead.


 23.7938, 0.3693,
0.1809


 23.7938, 0.3693,
0.1809


271.7763, 0.3433,
0.2510


 15.1807, 0.3750,
0.1650


 49.6935, 0.3604,
0.2053


 8.9463, 0.3817,
0.1457


 67.7489, 0.3569,
0.2148

 4.7062, 0.3896,
0.1219


 89.7206, 0.3539,
0.2229

 2.0759, 0.3988,
0.0927

 115.9929, 0.3512,
0.2300

 0.6510, 0.4093,
0.0560

 146.9502, 0.3489,
0.2363

 0.0000, 0.4240,
0.0000

182.9770, 0.3468,

 0.0000, 0.4042,

0.2418

0.0000

224.4576, 0.3449,
0.2467

■ 0.0000, 0.0000,
0.0000

■ 23.7938, 0.3693,
0.1809

■ 23.7938, 0.3693,
0.1809

■ 23.7713, 0.3695,
0.1809

■ 24.6861, 0.3633,
0.1815

■ 26.4477, 0.3570,
0.1862

■ 29.3326, 0.3505,
0.1955

■ 33.4977, 0.3439,
0.2091

■ 39.0751, 0.3375,
0.2261

■ 46.1803, 0.3315,
0.2456

■ 54.9171, 0.3259,
0.2665

■ 65.3799, 0.3209,
0.2879

■ 77.6561, 0.3164,
0.3091

Harmonies

Analogous

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



23.7938, 0.2162, 0.1357



23.7938, 0.3693, 0.1809



23.7938, 0.5420, 0.2510

Triad

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



23.7938, 0.3693, 0.1809



23.7938, 0.4604, 0.5396



23.7938, 0.0810, 0.2061

Complementary

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



23.7938, 0.3693, 0.1809



65.4939, 0.2963, 0.5866

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.



23.7938, 0.1129, 0.3691



23.7938, 0.3693, 0.1809



23.7938, 0.3260, 0.6407

Square

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



23.7938, 0.3693, 0.1809



23.7938, 0.5716, 0.4204



23.7938, 0.2015, 0.5928



23.7938, 0.0876, 0.1384

Rectangle

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



23.7938, 0.3693, 0.1809



23.7938, 0.6080, 0.3024



23.7938, 0.2015, 0.5928



23.7938, 0.0865, 0.2475

Sweetspot

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



23.7950, 0.3693, 0.1809



59.7200, 0.3261, 0.2656



7.0935, 0.1565, 0.0637



11.8759, 0.3284, 0.2567



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.



23.7950, 0.3693, 0.1809



26.0219, 0.3696, 0.1810



20.0475, 0.5675, 0.2902



16.7177, 0.3164, 0.3095



12.8205, 0.3686, 0.1804



1.1392, 0.3616, 0.1765

Inverse Universe

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



23.7950, 0.3693, 0.1809



26.0219, 0.3696, 0.1810



67.9946, 0.2566, 0.4435



16.7177, 0.3164, 0.3095



12.8205, 0.3686, 0.1804



1.1392, 0.3616, 0.1765

Previews

White Background



This preview shows how the Yxy color 23.7938, 0.3693, 0.1809 looks on a white background.

Color Contrast Check

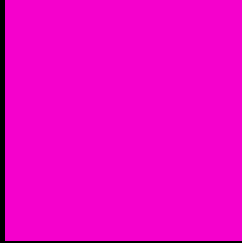
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7938, 0.3693, 0.1809 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 23.7938, 0.3693, 0.1809

Background



This preview shows how black text looks on a background with the Yxy color 23.7938, 0.3693, 0.1809.



This preview shows how white text looks on a background with the Yxy color 23.7938, 0.3693, 0.1809.

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

23.7938, 0.3693, 0.1809

Protanopia

24.6459, 0.1886, 0.1632

Deuteranopia

24.4566, 0.2447, 0.2394



Tritanopia

24.0554, 0.5238, 0.3250

Trichromacy



Original Color

23.7938, 0.3693, 0.1809



Protanomaly

17.3023, 0.2202, 0.1369



Deuteranomaly

18.3225, 0.2797, 0.1818



Tritanomaly

22.2769, 0.4756, 0.2605

Monochromacy



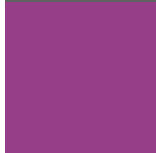
Original Color

23.7938, 0.3693, 0.1809



Achromatopsia

11.9538, 0.3127, 0.3290



Achromatomaly

11.8021, 0.3423, 0.2134

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7938, 0.3693, 0.1809 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(245, 1, 204)` looks like.

```
.text, #text, p{  
    color:rgb(245, 1, 204)  
}
```

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(245, 1, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 1, 204) }
```

Border

The CSS property to change the border of an element to Yxy 23.7938, 0.3693, 0.1809 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(245, 1, 204) }
```

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

```
.border{ border-color:rgb(245, 1, 204) }
```

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

Here you see how a box with a 4 pixel rgb(245, 1, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 1, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 1, 204);  
box-shadow:4px 4px 4px 4px rgb(245, 1,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7938, 0.3693, 0.1809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 1, 204) }
```

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

```
.background{ background-color: rgb(245, 1,  
204) }
```

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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