

Converting Colors

Yxy(22.6901, 0.3673, 0.1797)

Have a look what the booklet for
Yxy(22.6901, 0.3673, 0.1797)
contains.

Yxy(22.7423, 0.3677, 0.1799)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(22.7423, 0.3677, 0.1799)

Conversions

Conversions Part 1	
Format	Color
Hex	F000C9
RGB	240, 0, 201
RGB Percent	94%, 0%, 79%
CMY	0.0587, 1.0000, 0.2118
CMYK	0.00, 1.00, 0.16, 0.06
HSL	310°, 100%, 47%
HSV	310°, 100%, 94%
XYZ	46.4833, 22.7423, 57.1908
YIQ	94.6740, 78.5190, 113.3910

Conversions

Conversions Part 2

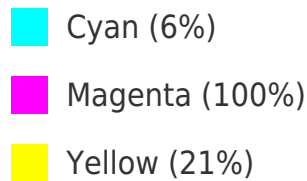
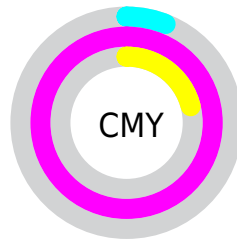
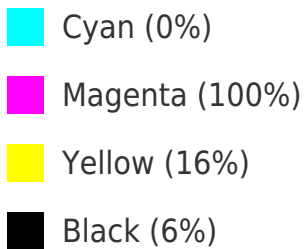
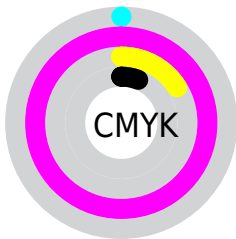
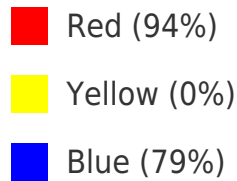
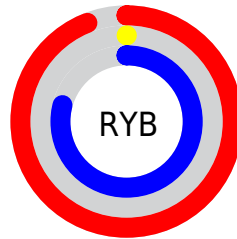
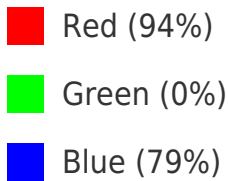
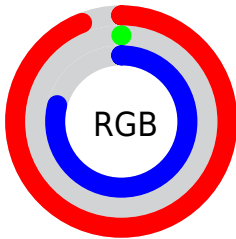
Format	Color
RYB	240, 0, 201
Decimal	15728841
CIELab	54.81, 88.74, -39.29
CIELCh	55, 97.045, 336.118
Yxy	22.7423, 0.3677, 0.1799
Android (android.graphics.Color)	4293918921 (0xFFFF000C9)
YUV	94.6740, 52.4187, 127.4509
Hunter-Lab	47.6889, 90.5319, -37.7211

Details

The Yxy color **22.7423, 0.3677, 0.1799** 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 **62.4828, 0.2966, 0.5876**, and the grayscale version is **11.2223, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5943, 0.3193, 0.1880**, and **11.6590, 0.3737, 0.1832** is the 20% darker color. If you saturate the color by 10%, you get **22.7465, 0.3677, 0.1799**, and if you desaturate by 10%, it is **23.5860, 0.3620, 0.1806**.


Distribution




Brightness & Saturation Gradients

These gradients show how the Yxy color 22.7423, 0.3677, 0.1799 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 22.7423, 0.3677, 0.1799 by changing the saturation by 10% instead.


 22.7423, 0.3677,
0.1799

 22.7423, 0.3677,
0.1799


 266.3986, 0.3424,
0.2510


 14.4033, 0.3732,
0.1637


 47.9698, 0.3591,
0.2047


 8.4017, 0.3796,
0.1440


 65.6272, 0.3557,
0.2143

 4.3531, 0.3873,
0.1196


 87.1595, 0.3527,
0.2226

 1.8730, 0.3959,
0.0897

 112.9511, 0.3501,
0.2298

 0.5320, 0.4063,
0.0501

 143.3864, 0.3478,
0.2361

 0.0000, 0.4160,
0.0000

178.8499, 0.3458,

 0.0000, 0.3827,

0.2416

0.0000


219.7258, 0.3440,
0.2465

 0.0000, 0.0000,
0.0000

 22.7423, 0.3677,
0.1799

 22.7423, 0.3677,
0.1799


 22.7465, 0.3677,
0.1799

 23.5860, 0.3620,
0.1806

 25.2377, 0.3559,
0.1853

 27.9547, 0.3496,
0.1946


 31.8869, 0.3432,
0.2081

 37.1604, 0.3370,
0.2251

 43.8856, 0.3311,
0.2445

 52.1612, 0.3257,
0.2655

 62.0774, 0.3208,
0.2870

 73.7175, 0.3165,
0.3083

Harmonies

Analogous

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



22.7423, 0.2147, 0.1349



22.7423, 0.3677, 0.1799



22.7423, 0.5415, 0.2499

Triad

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



22.7423, 0.3677, 0.1799



22.7423, 0.4615, 0.5385



22.7423, 0.0806, 0.2067

Complementary

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



22.7423, 0.3677, 0.1799



62.4828, 0.2966, 0.5876

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.



22.7423, 0.1128, 0.3712



22.7423, 0.3677, 0.1799



22.7423, 0.3269, 0.6411

Square

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



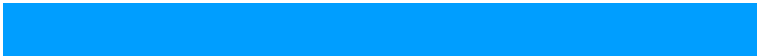
22.7423, 0.3677, 0.1799



22.7423, 0.5732, 0.4194



22.7423, 0.2020, 0.5957



22.7423, 0.0869, 0.1382

Rectangle

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



22.7423, 0.3677, 0.1799



22.7423, 0.6085, 0.3014



22.7423, 0.2020, 0.5957



22.7423, 0.0861, 0.2484

Sweetspot

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



22.7465, 0.3677, 0.1799



59.7445, 0.3258, 0.2653



6.6680, 0.1553, 0.0629



11.8819, 0.3280, 0.2563



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.



22.7465, 0.3677, 0.1799



26.0909, 0.3679, 0.1800



19.1702, 0.5618, 0.2869



15.9847, 0.3163, 0.3095



12.4654, 0.3668, 0.1794



1.0487, 0.3598, 0.1756

Inverse Universe

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



22.7465, 0.3677, 0.1799



26.0909, 0.3679, 0.1800



64.7370, 0.2583, 0.4499



15.9847, 0.3163, 0.3095



12.4654, 0.3668, 0.1794



1.0487, 0.3598, 0.1756

Previews

White Background



This preview shows how the Yxy color 22.7423, 0.3677, 0.1799 looks on a white background.

Color Contrast Check

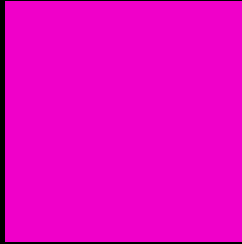
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7423, 0.3677, 0.1799 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 22.7423, 0.3677, 0.1799

Background



This preview shows how black text looks on a background with the Yxy color 22.7423, 0.3677, 0.1799.



This preview shows how white text looks on a background with the Yxy color 22.7423, 0.3677, 0.1799.

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

22.7423, 0.3677, 0.1799

Protanopia

23.8201, 0.1853, 0.1596

Deuteranopia

23.3515, 0.2429, 0.2365



Tritanopia

23.0551, 0.5218, 0.3249

Trichromacy



Original Color

22.7423, 0.3677, 0.1799



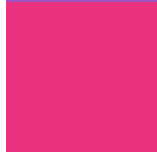
Protanomaly

16.3178, 0.2140, 0.1327



Deuteranomaly

17.4077, 0.2791, 0.1798



Tritanomaly

21.3059, 0.4724, 0.2587

Monochromacy



Original Color

22.7423, 0.3677, 0.1799



Achromatopsia

11.4435, 0.3127, 0.3290



Achromatomaly

11.2488, 0.3411, 0.2116

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7423, 0.3677, 0.1799 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, 201) looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 201)  
}
```

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, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 201) }
```

Border

The CSS property to change the border of an element to Yxy 22.7423, 0.3677, 0.1799 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, 201) }
```

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

```
.border{ border-color:rgb(240, 0, 201) }
```

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, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 201);  
box-shadow:4px 4px 4px 4px rgb(240, 0,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7423, 0.3677, 0.1799 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, 201) }
```

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

```
.background{ background-color: rgb(240, 0,  
201) }
```

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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