

Converting Colors

$Y_{xy}(22.5559, 0.3712, 0.1819)$

Have a look what the booklet for
Yxy(22.5559, 0.3712, 0.1819)
contains.

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Color

Yxy(22.6025, 0.3717, 0.1821)

Conversions

Conversions Part 1

Format	Color
Hex	F000C6
RGB	240, 0, 198
RGB Percent	94%, 0%, 78%
CMY	0.0588, 1.0000, 0.2234
CMYK	0.00, 1.00, 0.17, 0.06
HSL	310°, 100%, 47%
HSV	310°, 100%, 94%
XYZ	46.1359, 22.6025, 55.3830
YIQ	94.3320, 79.4820, 112.4580

Conversions

Conversions Part 2

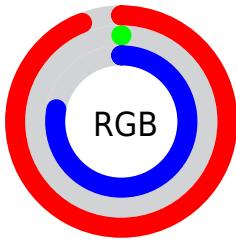
Format	Color
R _Y B	240, 0, 198
Decimal	15728838
CIE Lab	54.66, 88.38, -37.82
CIE LCh	55, 96.131, 336.832
Yxy	22.6025, 0.3717, 0.1821
Android (android.graphics.Color)	4293918918 (0xFFFF00C6)
YUV	94.3320, 51.1083, 127.7508
Hunter-Lab	47.5421, 90.0218, -35.7889

Details

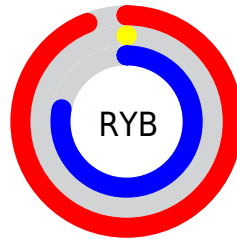
The Yxy color **22.6025, 0.3717, 0.1821** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **62.4963, 0.2961, 0.5859**, and the grayscale version is **11.1409, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5943, 0.3193, 0.1880**, and **11.5973, 0.3774, 0.1853** is the 20% darker color. If you saturate the color by 10%, you get **22.6072, 0.3717, 0.1821**, and if you desaturate by 10%, it is **23.4570, 0.3654, 0.1826**.

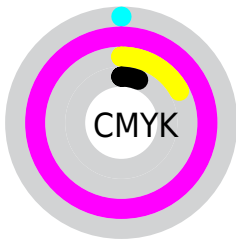
Distribution



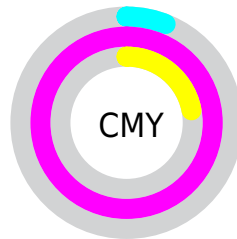
- Red (94%)
- Green (0%)
- Blue (78%)



- Red (94%)
- Yellow (0%)
- Blue (78%)



- Cyan (0%)
- Magenta (100%)
- Yellow (17%)
- Black (6%)



- Cyan (6%)
- Magenta (100%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.6025, 0.3717, 0.1821 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 22.6025, 0.3717, 0.1821 by changing the saturation by 10% instead.


 22.6025, 0.3717,
0.1821


 22.6025, 0.3717,
0.1821


265.6767, 0.3440,
0.2524


 14.3003, 0.3779,
0.1660


 47.7398, 0.3622,
0.2067

 8.3298, 0.3852,
0.1462


 65.3437, 0.3584,
0.2162


 4.3067, 0.3942,
0.1218


 86.8169, 0.3552,
0.2244

 1.8466, 0.4047,
0.0916

 112.5438, 0.3524,
0.2315

 0.5159, 0.4183,
0.0508

 142.9089, 0.3499,
0.2377

 0.0000, 0.4327,
0.0000

178.2964, 0.3477,

 0.0000, 0.4059,


0.2432

0.0000

219.0909, 0.3458,
0.2481


 0.0000, 0.0000,
0.0000


 22.6025, 0.3717,
0.1821

 22.6025, 0.3717,
0.1821


 22.6072, 0.3717,
0.1821

 23.4570, 0.3654,
0.1826

 25.1197, 0.3589,
0.1871

 27.8482, 0.3520,
0.1962

 31.7925, 0.3452,
0.2096

 37.0788, 0.3385,
0.2264

■ 43.8173, 0.3322,
0.2456

■ 52.1068, 0.3264,
0.2663

■ 62.0374, 0.3213,
0.2876

■ 73.6925, 0.3167,
0.3086

Harmonies

Analogous

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



22.6025, 0.2181, 0.1365



22.6025, 0.3717, 0.1821



22.6025, 0.5433, 0.2523

Triad

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



22.6025, 0.3717, 0.1821



22.6025, 0.4587, 0.5413



22.6025, 0.0814, 0.2051

Complementary

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



22.6025, 0.3717, 0.1821



62.4963, 0.2961, 0.5859

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.



22.6025, 0.1126, 0.3659



22.6025, 0.3717, 0.1821



22.6025, 0.3245, 0.6406

Square

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



22.6025, 0.3717, 0.1821



22.6025, 0.5701, 0.4222



22.6025, 0.2003, 0.5893



22.6025, 0.0883, 0.1383

Rectangle

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



22.6025, 0.3717, 0.1821



22.6025, 0.6079, 0.3038



22.6025, 0.2003, 0.5893



22.6025, 0.0866, 0.2458

Sweetspot

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



22.6072, 0.3717, 0.1821



59.6883, 0.3265, 0.2661



6.7434, 0.1563, 0.0635



11.8683, 0.3289, 0.2573



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.



22.6072, 0.3717, 0.1821



25.9335, 0.3719, 0.1822



19.1073, 0.5682, 0.2904



15.9812, 0.3165, 0.3097



12.3914, 0.3707, 0.1816



1.0432, 0.3630, 0.1773

Inverse Universe

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



22.6072, 0.3717, 0.1821



25.9335, 0.3719, 0.1822



64.8678, 0.2566, 0.4437



15.9812, 0.3165, 0.3097



12.3914, 0.3707, 0.1816



1.0432, 0.3630, 0.1773

Previews

White Background



This preview shows how the Yxy color 22.6025, 0.3717, 0.1821 looks on a white background.

Color Contrast Check

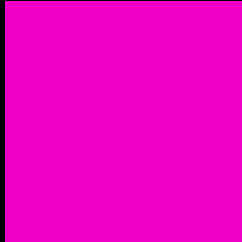
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.6025, 0.3717, 0.1821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

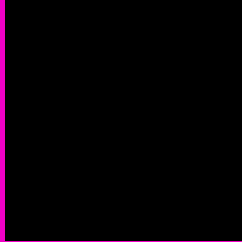
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.6025, 0.3717, 0.1821

Background



This preview shows how black text looks on a background with the Yxy color 22.6025, 0.3717, 0.1821.



This preview shows how white text looks on a background with the Yxy color 22.6025, 0.3717, 0.1821.

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

22.6025, 0.3717, 0.1821

Protanopia

23.5282, 0.1847, 0.1582

Deuteranopia

23.2885, 0.2458, 0.2406



Tritanopia

22.8810, 0.5252, 0.3259

Trichromacy



Original Color

22.6025, 0.3717, 0.1821



Protanomaly

16.1105, 0.2143, 0.1323



Deuteranomaly

17.2751, 0.2821, 0.1826



Tritanomaly

21.2289, 0.4775, 0.2619

Monochromacy



Original Color

22.6025, 0.3717, 0.1821



Achromatopsia

11.1932, 0.3127, 0.3290



Achromatomaly

11.1007, 0.3429, 0.2137

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6025, 0.3717, 0.1821 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, 198)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 198)  
}
```

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, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 198) }
```

Border

The CSS property to change the border of an element to Yxy 22.6025, 0.3717, 0.1821 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, 198) }
```

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

```
.border{ border-color:rgb(240, 0, 198) }
```

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, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 198);  
box-shadow:4px 4px 4px 4px rgb(240, 0,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6025, 0.3717, 0.1821 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, 198) }
```

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

```
.background{ background-color: rgb(240, 0,  
198) }
```

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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