

Converting Colors

$Y_{xy}(26.2265, 0.3717, 0.1837)$

Have a look what the booklet for
Yxy(26.2265, 0.3717, 0.1837)
contains.

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Color

Yxy(26.2010, 0.3722, 0.1839)

Conversions

Conversions Part 1

Format	Color
Hex	FF0DD2
RGB	255, 13, 210
RGB Percent	100%, 5%, 82%
CMY	0.0000, 0.9501, 0.1764
CMYK	0.00, 0.95, 0.18, 0.00
HSL	311°, 100%, 52%
HSV	311°, 95%, 100%
XYZ	53.0289, 26.2010, 63.2443
YIQ	107.8160, 80.9950, 112.5710

Conversions

Conversions Part 2

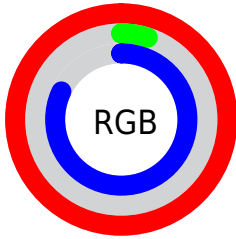
Format	Color
R _Y B	255, 13, 210
Decimal	16715218
CIE Lab	58.23, 91.67, -38.89
CIE LCh	58, 99.582, 337.010
Yxy	26.2010, 0.3722, 0.1839
Android (android.graphics.Color)	4294905298 (0xFFFF0DD2)
YUV	107.8160, 50.3767, 129.0804
Hunter-Lab	51.1869, 95.3463, -37.4253

Details

The Yxy color **26.2010, 0.3722, 0.1839** 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 **71.9061, 0.2946, 0.5776**, and the grayscale version is **14.7350, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.7881, 0.3191, 0.1921**, and **13.7040, 0.3782, 0.1857** is the 20% darker color. If you saturate the color by 10%, you get **25.7969, 0.3755, 0.1842**, and if you desaturate by 10%, it is **27.5542, 0.3653, 0.1858**.

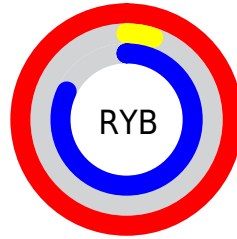
Distribution



Red (100%)

Green (5%)

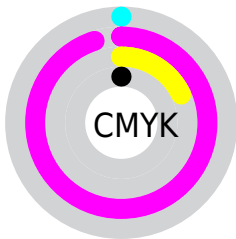
Blue (82%)



Red (100%)

Yellow (5%)

Blue (82%)

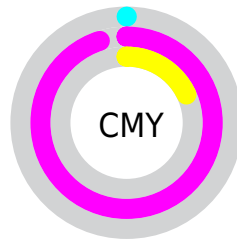


Cyan (0%)

Magenta (95%)

Yellow (18%)

Black (0%)



Cyan (0%)

Magenta (95%)

Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.2010, 0.3722, 0.1839 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 26.2010, 0.3722, 0.1839 by changing the saturation by 10% instead.


 26.2010, 0.3722,
0.1839


 26.2010, 0.3722,
0.1839


283.7674, 0.3449,
0.2518


 16.9741, 0.3782,
0.1687


 53.5990, 0.3629,
0.2073

 10.2160, 0.3853,
0.1502


 72.5389, 0.3592,
0.2165


 5.5424, 0.3939,
0.1276


 95.4853, 0.3560,
0.2244

 2.5689, 0.4042,
0.0998

 122.8224, 0.3532,
0.2313

 0.9111, 0.4158,
0.0661

 154.9348, 0.3507,
0.2374

 0.0000, 0.4395,
0.0000

192.2069, 0.3486,

 0.0000, 0.4295,

0.2427

0.0000

235.0229, 0.3466,
0.2475

■ 0.0000, 0.0000,
0.0000

■ 26.2010, 0.3722,
0.1839

■ 26.2010, 0.3722,
0.1839

■ 25.7969, 0.3755,
0.1842

■ 27.5542, 0.3653,
0.1858

■ 30.0361, 0.3580,
0.1924

■ 33.8363, 0.3507,
0.2035

■ 39.1139, 0.3435,
0.2185

■ 46.0052, 0.3365,
0.2365

■ 54.6313, 0.3301,
0.2565

■ 65.1014, 0.3243,
0.2774

■ 77.5158, 0.3192,
0.2984

■ 91.9677, 0.3147,
0.3190

Harmonies

Analogous

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



26.2010, 0.2200, 0.1383



26.2010, 0.3722, 0.1839



26.2010, 0.5412, 0.2539

Triad

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



26.2010, 0.3722, 0.1839



26.2010, 0.4573, 0.5404



26.2010, 0.0831, 0.2062

Complementary

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



26.2010, 0.3722, 0.1839



71.9061, 0.2946, 0.5776

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.



26.2010, 0.1144, 0.3645



26.2010, 0.3722, 0.1839



26.2010, 0.3251, 0.6373

Square

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



26.2010, 0.3722, 0.1839



26.2010, 0.5672, 0.4230



26.2010, 0.2016, 0.5840



26.2010, 0.0901, 0.1399

Rectangle

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



26.2010, 0.3722, 0.1839



26.2010, 0.6048, 0.3053



26.2010, 0.2016, 0.5840



26.2010, 0.0884, 0.2464

Sweetspot

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



26.1948, 0.3722, 0.1839



60.6950, 0.3266, 0.2690



8.3750, 0.1611, 0.0678



12.0550, 0.3291, 0.2601



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.



26.1948, 0.3722, 0.1839



25.7969, 0.3755, 0.1842



22.2697, 0.5608, 0.2891



18.2391, 0.3167, 0.3099



13.5003, 0.3744, 0.1836



1.3288, 0.3672, 0.1796

Inverse Universe

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



26.1948, 0.3722, 0.1839



25.7969, 0.3755, 0.1842



74.8291, 0.2539, 0.4320



18.2391, 0.3167, 0.3099



13.5003, 0.3744, 0.1836



1.3288, 0.3672, 0.1796

Previews

White Background



This preview shows how the Yxy color 26.2010, 0.3722, 0.1839 looks on a white background.

Color Contrast Check

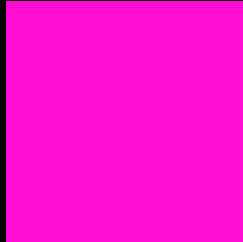
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.2010, 0.3722, 0.1839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

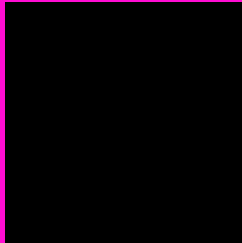
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.2010, 0.3722, 0.1839

Background



This preview shows how black text looks on a background with the Yxy color 26.2010, 0.3722, 0.1839.



This preview shows how white text looks on a background with the Yxy color 26.2010, 0.3722, 0.1839.

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

26.2010, 0.3722, 0.1839

Protanopia

26.8607, 0.1955, 0.1728

Deuteranopia

26.5614, 0.2466, 0.2409



Tritanopia

26.3036, 0.5256, 0.3252

Trichromacy



Original Color

26.2010, 0.3722, 0.1839



Protanomaly

19.8156, 0.2297, 0.1472



Deuteranomaly

20.6390, 0.2832, 0.1876



Tritanomaly

24.7319, 0.4771, 0.2640

Monochromacy



Original Color

26.2010, 0.3722, 0.1839



Achromatopsia

14.9960, 0.3127, 0.3290



Achromatomaly

14.3865, 0.3415, 0.2214

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.2010, 0.3722, 0.1839 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(255, 13, 210)` looks like.

```
.text, #text, p{  
    color:rgb(255, 13, 210)  
}
```

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(255, 13, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 13, 210) }
```

Border

The CSS property to change the border of an element to Yxy 26.2010, 0.3722, 0.1839 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(255, 13, 210) }
```

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

```
.border{ border-color:rgb(255, 13, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 13, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 13, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 13, 210);  
box-shadow:4px 4px 4px 4px rgb(255, 13,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 26.2010, 0.3722, 0.1839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 13, 210) }
```

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

```
.background{ background-color: rgb(255, 13,  
210) }
```

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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