

Converting Colors

$Y_{xy}(27.3866, 0.3404, 0.1819)$

Have a look what the booklet for
Yxy(27.3866, 0.3404, 0.1819)
contains.

Yxy(27.3122, 0.3406, 0.1819)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.3122, 0.3406, 0.1819)

Conversions

Conversions Part 1

Format	Color
Hex	F13DDE
RGB	241, 61, 222
RGB Percent	95%, 24%, 87%
CMY	0.0547, 0.7610, 0.1293
CMYK	0.00, 0.75, 0.08, 0.05
HSL	306°, 87%, 59%
HSV	306°, 75%, 95%
XYZ	51.1409, 27.3122, 71.6964
YIQ	133.1740, 55.5990, 88.2310

Conversions

Conversions Part 2

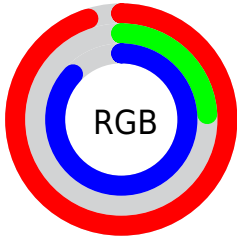
Format	Color
R _Y B	241, 61, 222
Decimal	15810014
CIE _{Lab}	59.26, 82.27, -44.23
CIE _{LCh}	59, 93.407, 331.734
Y _{xy}	27.3122, 0.3406, 0.1819
Android (android.graphics.Color)	4294000094 (0xFFFF13DDE)
YUV	133.1740, 43.7912, 94.5634
Hunter-Lab	52.2611, 83.2172, -44.7566

Details

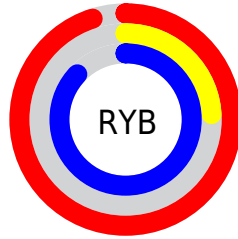
The Yxy color **27.3122, 0.3406, 0.1819** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light washed magenta. A complement of this color would be **64.5028, 0.2964, 0.5488**, and the grayscale version is **23.3354, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4017, 0.3184, 0.2070**, and **12.5769, 0.3429, 0.1662** is the 20% darker color. If you saturate the color by 10%, you get **25.1600, 0.3445, 0.1741**, and if you desaturate by 10%, it is **30.6238, 0.3365, 0.1941**.

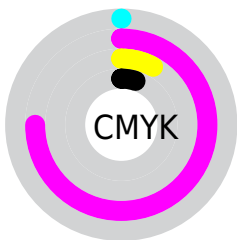
Distribution



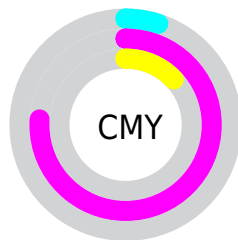
- Red (95%)
- Green (24%)
- Blue (87%)



- Red (95%)
- Yellow (24%)
- Blue (87%)



- Cyan (0%)
- Magenta (75%)
- Yellow (8%)
- Black (5%)





- Cyan (5%)
- Magenta (76%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.3122, 0.3406, 0.1819 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 27.3122, 0.3406, 0.1819 by changing the saturation by 10% instead.


 27.3122, 0.3406,
0.1819


 27.3122, 0.3406,
0.1819


289.1656, 0.3300,
0.2501


 17.8078, 0.3422,
0.1668


 55.3844, 0.3375,
0.2053


 10.8121, 0.3438,
0.1485


 74.7211, 0.3361,
0.2145

 5.9406, 0.3449,
0.1263


 98.1040, 0.3349,
0.2225

 2.8090, 0.3448,
0.0991

 125.9175, 0.3337,
0.2294

 1.0329, 0.3415,
0.0664

 158.5460, 0.3326,
0.2355

 0.0000, 0.3405,
0.0000

196.3739, 0.3317,


 0.0000, 0.2989,


0.2410


0.0000


239.7857, 0.3308,
0.2458

 0.0000, 0.0000,
0.0000

 27.3122, 0.3406,
0.1819

 27.3122, 0.3406,
0.1819

 25.1600, 0.3445,
0.1741


 30.6238, 0.3365,
0.1941


 23.9947, 0.3481,
0.1707


 35.2282, 0.3323,
0.2103


 23.6441, 0.3500,
0.1702


 41.2450, 0.3281,
0.2296


 48.7791, 0.3241,
0.2510

 57.9254, 0.3204,
0.2735

 68.7710, 0.3170,
0.2963

 81.3970, 0.3140,
0.3187

 95.8789, 0.3114,
0.3402

 96.8161, 0.3098,
0.3389

Harmonies

Analogous

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



27.3122, 0.2069, 0.1426



27.3122, 0.3406, 0.1819



27.3122, 0.5013, 0.2470

Triad

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



27.3122, 0.3406, 0.1819



27.3122, 0.4752, 0.5132



27.3122, 0.0960, 0.2346

Complementary

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



27.3122, 0.3406, 0.1819



64.5028, 0.2964, 0.5488

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.



27.3122, 0.1371, 0.3992



27.3122, 0.3406, 0.1819



27.3122, 0.3532, 0.6082

Square

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



27.3122, 0.3406, 0.1819



27.3122, 0.5697, 0.4085



27.3122, 0.2315, 0.5858



27.3122, 0.0962, 0.1572

Rectangle

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



27.3122, 0.3406, 0.1819



27.3122, 0.5751, 0.2972



27.3122, 0.2315, 0.5858



27.3122, 0.1042, 0.2789

Sweetspot

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



27.3135, 0.3406, 0.1819



68.9051, 0.3195, 0.2795



11.3441, 0.1783, 0.0974



14.0735, 0.3204, 0.2733



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.



27.3135, 0.3406, 0.1819



27.7329, 0.3466, 0.1717



23.7314, 0.4664, 0.2623



16.0010, 0.3154, 0.3081



12.8289, 0.3494, 0.1699



1.0754, 0.3452, 0.1675

Inverse Universe

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



27.3135, 0.3406, 0.1819



27.7329, 0.3466, 0.1717



66.7888, 0.2606, 0.4292



16.0010, 0.3154, 0.3081



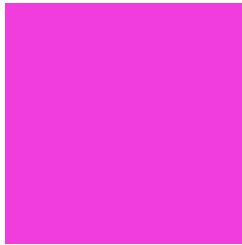
12.8289, 0.3494, 0.1699



1.0754, 0.3452, 0.1675

Previews

White Background



This preview shows how the Yxy color 27.3122, 0.3406, 0.1819 looks on a white background.

Color Contrast Check

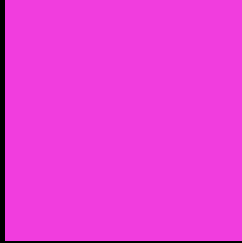
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.3122, 0.3406, 0.1819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

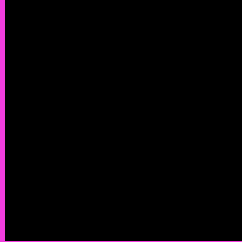
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.3122, 0.3406, 0.1819

Background



This preview shows how black text looks on a background with the Yxy color 27.3122, 0.3406, 0.1819.



This preview shows how white text looks on a background with the Yxy color 27.3122, 0.3406, 0.1819.

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

27.3122, 0.3406, 0.1819

Protanopia

27.7115, 0.1985, 0.1762

Deuteranopia

27.5766, 0.2342, 0.2286



Tritanopia

27.0481, 0.4721, 0.3219

Trichromacy



Original Color

27.3122, 0.3406, 0.1819



Protanomaly

23.6796, 0.2297, 0.1639



Deuteranomaly

24.1389, 0.2640, 0.1959



Tritanomaly

26.1491, 0.4246, 0.2621

Monochromacy



Original Color

27.3122, 0.3406, 0.1819



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

22.0027, 0.3252, 0.2462

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.3122, 0.3406, 0.1819 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(241, 61, 222)` looks like.

```
.text, #text, p{  
    color:rgb(241, 61, 222)  
}
```

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(241, 61, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 61, 222) }
```

Border

The CSS property to change the border of an element to Yxy 27.3122, 0.3406, 0.1819 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(241, 61, 222) }
```

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

```
.border{ border-color:rgb(241, 61, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 61, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 61, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 61, 222);  
box-shadow:4px 4px 4px 4px rgb(241, 61,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 27.3122, 0.3406, 0.1819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 61, 222) }
```

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

```
.background{ background-color: rgb(241, 61,  
222) }
```

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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