

Converting Colors

$Y_{xy}(27.7123, 0.3143, 0.1706)$

Have a look what the booklet for
Yxy(27.7123, 0.3143, 0.1706)
contains.

Yxy(27.7529, 0.3149, 0.1708)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.7529, 0.3149, 0.1708)

Conversions

Conversions Part 1

Format	Color
Hex	E945EE
RGB	233, 69, 238
RGB Percent	91%, 27%, 93%
CMY	0.0863, 0.7294, 0.0666
CMYK	0.02, 0.71, 0.00, 0.07
HSL	298°, 83%, 60%
HSV	298°, 71%, 93%
XYZ	51.1674, 27.7529, 83.5674
YIQ	137.3020, 43.4950, 87.3270

Conversions

Conversions Part 2

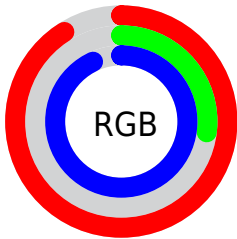
Format	Color
R _{YB}	233, 69, 238
Decimal	15287790
CIE _{Lab}	59.66, 80.60, -52.66
CIE _{LCh}	60, 96.279, 326.843
Yxy	27.7529, 0.3149, 0.1708
Android (android.graphics.Color)	4293477870 (0xFFE945EE)
YUV	137.3020, 49.6441, 83.9271
Hunter-Lab	52.6810, 81.1795, -57.1745

Details

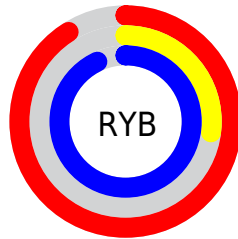
The Yxy color **27.7529, 0.3149, 0.1708** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **63.0498, 0.3038, 0.5554**, and the grayscale version is **24.9331, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.7126, 0.3182, 0.2111**, and **12.2204, 0.3099, 0.1481** is the 20% darker color. If you saturate the color by 10%, you get **25.2710, 0.3145, 0.1598**, and if you desaturate by 10%, it is **31.4112, 0.3151, 0.1861**.

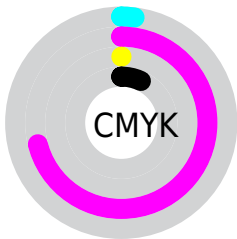
Distribution



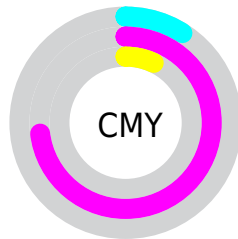
- Red (91%)
- Green (27%)
- Blue (93%)



- Red (91%)
- Yellow (27%)
- Blue (93%)



- Cyan (2%)
- Magenta (71%)
- Yellow (0%)
- Black (7%)





- Cyan (9%)
- Magenta (73%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7529, 0.3149, 0.1708 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 27.7529, 0.3149, 0.1708 by changing the saturation by 10% instead.


 27.7529, 0.3149,
0.1708


 27.7529, 0.3149,
0.1708


291.2843, 0.3181,
0.2428


 18.1395, 0.3130,
0.1553


 56.0897, 0.3169,
0.1952


 11.0502, 0.3100,
0.1368


 75.5819, 0.3174,
0.2048


 6.1006, 0.3052,
0.1147


 99.1357, 0.3178,
0.2133

 2.9063, 0.2971,
0.0882

 127.1357, 0.3179,
0.2206

 1.0830, 0.2830,
0.0576

 159.9661, 0.3181,
0.2272

 0.0000, 0.2642,
0.0000

198.0114, 0.3181,

 0.0000, 0.2101,


0.2329


0.0000


241.6560, 0.3181,
0.2381


 0.0000, 0.0000,
0.0000

 27.7529, 0.3149,
0.1708


 27.7529, 0.3149,
0.1708


 25.2710, 0.3145,
0.1598


 31.4112, 0.3151,
0.1861


 23.8118, 0.3140,
0.1530


 36.3676, 0.3151,
0.2053


 23.1549, 0.3134,
0.1500

 42.7325, 0.3149,
0.2274


 50.6038, 0.3145,
0.2515

 60.0706, 0.3140,
0.2766

 71.2149, 0.3134,
0.3019

 84.1133, 0.3128,
0.3266

 95.9862, 0.3123,
0.3459

 96.1093, 0.3128,
0.3458

Harmonies

Analogous

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



27.7529, 0.1882, 0.1360



27.7529, 0.3149, 0.1708



27.7529, 0.4809, 0.2331

Triad

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



27.7529, 0.3149, 0.1708



27.7529, 0.4952, 0.4964



27.7529, 0.0959, 0.2525

Complementary

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



27.7529, 0.3149, 0.1708



63.0498, 0.3038, 0.5554

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.



27.7529, 0.1453, 0.4358



27.7529, 0.3149, 0.1708



27.7529, 0.3723, 0.6016

Square

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



27.7529, 0.3149, 0.1708



27.7529, 0.5840, 0.3922



27.7529, 0.2478, 0.6111



27.7529, 0.0908, 0.1620

Rectangle

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



27.7529, 0.3149, 0.1708



27.7529, 0.5674, 0.2829



27.7529, 0.2478, 0.6111



27.7529, 0.1064, 0.3032

Sweetspot

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



27.7542, 0.3149, 0.1708



70.1627, 0.3140, 0.2764



12.4221, 0.1772, 0.1080



14.3206, 0.3142, 0.2694



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.



27.7542, 0.3149, 0.1708



28.6806, 0.3143, 0.1563



24.9457, 0.4199, 0.2399



16.0061, 0.3133, 0.3057



12.9257, 0.3135, 0.1501



1.0828, 0.3145, 0.1506

Inverse Universe

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



22.9322, 0.5485, 0.3256



22.8494, 0.6068, 0.3270



64.5627, 0.2715, 0.4568



15.7664, 0.3289, 0.3283



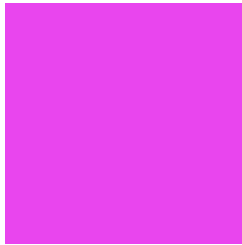
10.1530, 0.6369, 0.3282



0.8473, 0.6287, 0.3237

Previews

White Background



This preview shows how the Yxy color 27.7529, 0.3149, 0.1708 looks on a white background.

Color Contrast Check

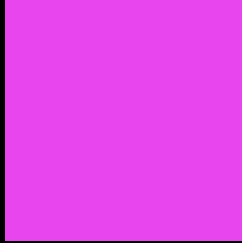
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7529, 0.3149, 0.1708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

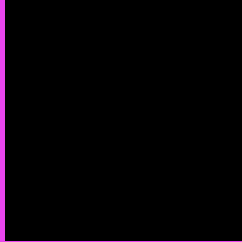
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7529, 0.3149, 0.1708

Background



This preview shows how black text looks on a background with the Yxy color 27.7529, 0.3149, 0.1708.



This preview shows how white text looks on a background with the Yxy color 27.7529, 0.3149, 0.1708.

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

27.7529, 0.3149, 0.1708

Protanopia

28.1000, 0.1996, 0.1778

Deuteranopia

28.0902, 0.2172, 0.2115



Tritanopia

27.5199, 0.4424, 0.3199

Trichromacy



Original Color

27.7529, 0.3149, 0.1708



Protanomaly

24.5369, 0.2255, 0.1623



Deuteranomaly

24.7317, 0.2425, 0.1825



Tritanomaly

26.6403, 0.3933, 0.2534

Monochromacy



Original Color

27.7529, 0.3149, 0.1708



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

23.4150, 0.3145, 0.2418

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7529, 0.3149, 0.1708 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(233, 69, 238)` looks like.

```
.text, #text, p{  
    color:rgb(233, 69, 238)  
}
```

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(233, 69, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 69, 238) }
```

Border

The CSS property to change the border of an element to Yxy 27.7529, 0.3149, 0.1708 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(233, 69, 238) }
```

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

```
.border{ border-color:rgb(233, 69, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 69, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 69, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 69, 238);  
box-shadow:4px 4px 4px 4px rgb(233, 69,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7529, 0.3149, 0.1708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 69, 238) }
```

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

```
.background{ background-color: rgb(233, 69,  
238) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor