

Converting Colors

$Y_{xy}(27.6814, 0.3233, 0.1818)$

Have a look what the booklet for
Yxy(27.6814, 0.3233, 0.1818)
contains.

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Color

Yxy(27.6768, 0.3228, 0.1818)

Conversions

Conversions Part 1

Format	Color
Hex	E64DE3
RGB	230, 77, 227
RGB Percent	90%, 30%, 89%
CMY	0.0982, 0.6978, 0.1098
CMYK	0.00, 0.66, 0.01, 0.10
HSL	301°, 75%, 60%
HSV	301°, 66%, 90%
XYZ	49.1423, 27.6768, 75.4185
YIQ	139.8470, 43.0380, 79.0860

Conversions

Conversions Part 2

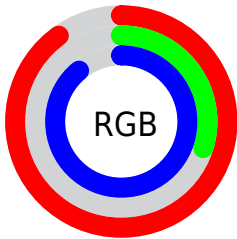
Format	Color
R _{YB}	230, 77, 227
Decimal	15093219
CIE _{Lab}	59.60, 75.46, -46.62
CIE _{LCh}	60, 88.702, 328.293
Yxy	27.6768, 0.3228, 0.1818
Android (android.graphics.Color)	4293283299 (0xFFE64DE3)
YUV	139.8470, 42.9664, 79.0642
Hunter-Lab	52.6087, 74.6732, -48.1705

Details

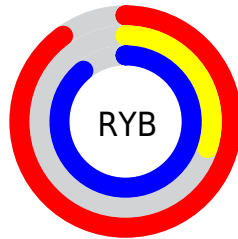
The Yxy color **27.6768, 0.3228, 0.1818** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **58.7335, 0.3017, 0.5401**, and the grayscale version is **25.9889, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.3713, 0.3180, 0.2161**, and **11.5982, 0.3209, 0.1542** is the 20% darker color. If you saturate the color by 10%, you get **24.9818, 0.3240, 0.1695**, and if you desaturate by 10%, it is **31.5115, 0.3214, 0.1982**.

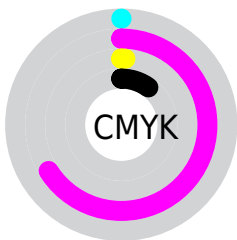
Distribution



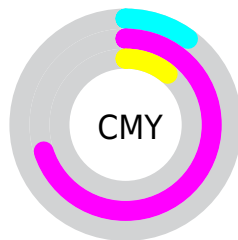
- Red (90%)
- Green (30%)
- Blue (89%)



- Red (90%)
- Yellow (30%)
- Blue (89%)



- Cyan (0%)
- Magenta (66%)
- Yellow (1%)
- Black (10%)




- Cyan (10%)
- Magenta (70%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.6768, 0.3228, 0.1818 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 27.6768, 0.3228, 0.1818 by changing the saturation by 10% instead.


 27.6768, 0.3228,
0.1818


 27.6768, 0.3228,
0.1818


290.9193, 0.3213,
0.2501

 18.0822, 0.3222,
0.1667


 55.9680, 0.3230,
0.2052

 11.0090, 0.3208,
0.1484


 75.4334, 0.3229,
0.2144

 6.0729, 0.3181,
0.1262


 98.9578, 0.3227,
0.2224

 2.8895, 0.3128,
0.0991

 126.9257, 0.3224,
0.2293

 1.0743, 0.3024,
0.0666

159.7214, 0.3222,
0.2355

 0.0000, 0.2901,
0.0000

197.7293, 0.3219,

 0.0000, 0.2356,

0.2409

0.0000

241.3338, 0.3216,
0.2457

■ 0.0000, 0.0000,
0.0000

■ 27.6768, 0.3228,
0.1818

■ 27.6768, 0.3228,
0.1818

■ 24.9818, 0.3240,
0.1695

■ 31.5115, 0.3214,
0.1982

■ 23.2966, 0.3249,
0.1616

■ 36.5899, 0.3199,
0.2180

■ 22.4640, 0.3257,
0.1577


■ 43.0083, 0.3184,
0.2404

■ 22.2803, 0.3259,
0.1569


■ 50.8529, 0.3168,
0.2644

■ 60.2023, 0.3152,
0.2890

 71.1298, 0.3137,
0.3135

 83.7034, 0.3122,
0.3372

 94.0823, 0.3112,
0.3538

 94.1075, 0.3109,
0.3534

Harmonies

Analogous

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



27.6768, 0.2005, 0.1466



27.6768, 0.3228, 0.1818



27.6768, 0.4757, 0.2431

Triad

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



27.6768, 0.3228, 0.1818



27.6768, 0.4846, 0.4977



27.6768, 0.1061, 0.2540

Complementary

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



27.6768, 0.3228, 0.1818



58.7335, 0.3017, 0.5401

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.



27.6768, 0.1533, 0.4183



27.6768, 0.3228, 0.1818



27.6768, 0.3698, 0.5889

Square

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



27.6768, 0.3228, 0.1818



27.6768, 0.5676, 0.3999



27.6768, 0.2508, 0.5815



27.6768, 0.1016, 0.1699

Rectangle

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



27.6768, 0.3228, 0.1818



27.6768, 0.5533, 0.2921



27.6768, 0.2508, 0.5815



27.6768, 0.1162, 0.3000

Sweetspot

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



27.6781, 0.3228, 0.1818



71.6020, 0.3157, 0.2801



12.7148, 0.1852, 0.1165



14.6113, 0.3162, 0.2731



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.



27.6781, 0.3228, 0.1818



30.5948, 0.3244, 0.1658



24.3656, 0.4211, 0.2511



14.6101, 0.3141, 0.3063



12.6205, 0.3258, 0.1568



0.9342, 0.3250, 0.1564

Inverse Universe

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



27.6781, 0.3228, 0.1818



30.5948, 0.3244, 0.1658



60.5561, 0.2685, 0.4353



14.6101, 0.3141, 0.3063



12.6205, 0.3258, 0.1568



0.9342, 0.3250, 0.1564

Previews

White Background



This preview shows how the Yxy color 27.6768, 0.3228, 0.1818 looks on a white background.

Color Contrast Check

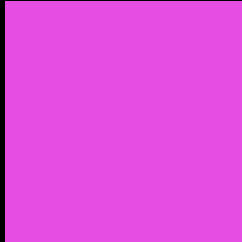
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.6768, 0.3228, 0.1818 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

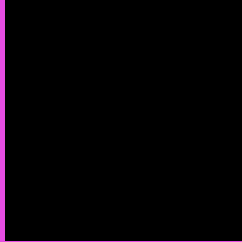
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.6768, 0.3228, 0.1818

Background



This preview shows how black text looks on a background with the Yxy color 27.6768, 0.3228, 0.1818.

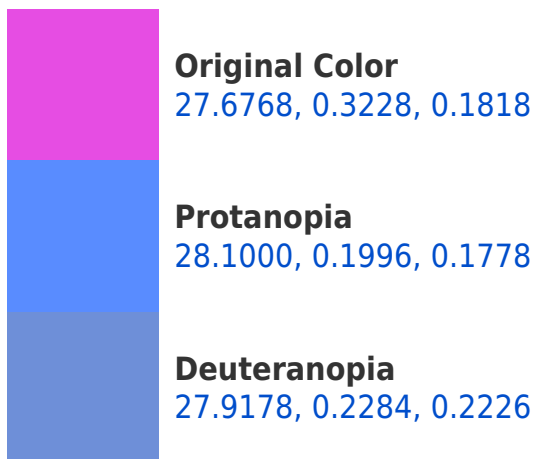


This preview shows how white text looks on a background with the Yxy color 27.6768, 0.3228, 0.1818.

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





Tritanopia

27.6062, 0.4394, 0.3198

Trichromacy



Original Color

27.6768, 0.3228, 0.1818



Protanomaly

24.8906, 0.2275, 0.1682



Deuteranomaly

25.2310, 0.2547, 0.1957



Tritanomaly

26.9219, 0.3954, 0.2612

Monochromacy



Original Color

27.6768, 0.3228, 0.1818



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

24.5854, 0.3175, 0.2515

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6768, 0.3228, 0.1818 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(230, 77, 227)` looks like.

```
.text, #text, p{  
    color:rgb(230, 77, 227)  
}
```

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(230, 77, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 77, 227) }
```

Border

The CSS property to change the border of an element to Yxy 27.6768, 0.3228, 0.1818 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(230, 77, 227) }
```

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

```
.border{ border-color:rgb(230, 77, 227) }
```

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

Here you see how a box with a 4 pixel rgb(230, 77, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 77, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 77, 227);  
box-shadow:4px 4px 4px 4px rgb(230, 77,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6768, 0.3228, 0.1818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 77, 227) }
```

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

```
.background{ background-color: rgb(230, 77,  
227) }
```

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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