

Converting Colors

$Y_{xy}(27.6872, 0.3197, 0.1791)$

Have a look what the booklet for
Yxy(27.6872, 0.3197, 0.1791)
contains.

Yxy(27.7050, 0.3198, 0.1790)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(27.7050, 0.3198, 0.1790)

Conversions

Conversions Part 1

Format	Color
Hex	E64CE6
RGB	230, 76, 230
RGB Percent	90%, 30%, 90%
CMY	0.0980, 0.7019, 0.0982
CMYK	0.00, 0.67, 0.00, 0.10
HSL	300°, 75%, 60%
HSV	300°, 67%, 90%
XYZ	49.4975, 27.7050, 77.5740
YIQ	139.6020, 42.3500, 80.5420

Conversions

Conversions Part 2

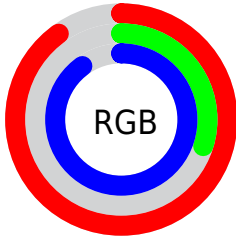
Format	Color
R _{YB}	230, 76, 230
Decimal	15092966
CIE _{Lab}	59.62, 76.32, -48.25
CIE _{LCh}	60, 90.288, 327.700
Yxy	27.7050, 0.3198, 0.1790
Android (android.graphics.Color)	4293283046 (0xFFE64CE6)
YUV	139.6020, 44.5662, 79.2790
Hunter-Lab	52.6355, 75.7461, -50.5364

Details

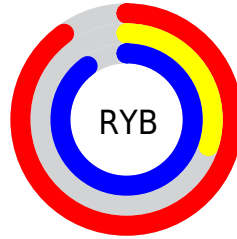
The Yxy color **27.7050, 0.3198, 0.1790** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **58.6573, 0.3026, 0.5447**, and the grayscale version is **25.8779, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.0883, 0.3181, 0.2153**, and **11.7139, 0.3166, 0.1518** is the 20% darker color. If you saturate the color by 10%, you get **25.0824, 0.3204, 0.1668**, and if you desaturate by 10%, it is **31.4624, 0.3190, 0.1954**.

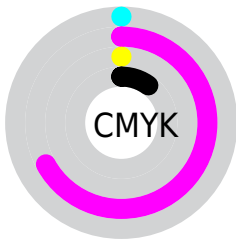
Distribution



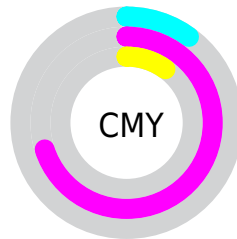
- Red (90%)
- Green (30%)
- Blue (90%)



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



- Cyan (0%)
- Magenta (67%)
- Yellow (0%)
- Black (10%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7050, 0.3198, 0.1790 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 27.7050, 0.3198, 0.1790 by changing the saturation by 10% instead.


 27.7050, 0.3198,
0.1790


 27.7050, 0.3198,
0.1790


291.0546, 0.3200,
0.2482


 18.1034, 0.3187,
0.1638


 56.0131, 0.3207,
0.2027

 11.0242, 0.3167,
0.1454


 75.4884, 0.3208,
0.2120

 6.0831, 0.3133,
0.1232


 99.0238, 0.3208,
0.2201

 2.8957, 0.3070,
0.0963

 127.0035, 0.3207,
0.2272

 1.0775, 0.2952,
0.0642

159.8121, 0.3205,
0.2334

 0.0000, 0.2804,
0.0000

197.8338, 0.3204,

 0.0000, 0.2256,

0.2389

0.0000

241.4532, 0.3202,
0.2438

■ 0.0000, 0.0000,
0.0000

■ 27.7050, 0.3198,
0.1790

■ 27.7050, 0.3198,
0.1790

■ 25.0824, 0.3204,
0.1668

■ 31.4624, 0.3190,
0.1954

■ 23.4638, 0.3208,
0.1589

■ 36.4592, 0.3181,
0.2153

■ 22.6864, 0.3210,
0.1550


■ 42.7925, 0.3170,
0.2378

■ 22.5340, 0.3210,
0.1542


■ 50.5488, 0.3159,
0.2621

■ 59.8070, 0.3147,
0.2871

 70.6406, 0.3135,
0.3121

 83.1181, 0.3124,
0.3363

 94.0582, 0.3115,
0.3544

 94.0586, 0.3115,
0.3544

Harmonies

Analogous

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



27.7050, 0.1970, 0.1441



27.7050, 0.3198, 0.1790



27.7050, 0.4755, 0.2404

Triad

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



27.7050, 0.3198, 0.1790



27.7050, 0.4878, 0.4965



27.7050, 0.1041, 0.2549

Complementary

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



27.7050, 0.3198, 0.1790



58.6573, 0.3026, 0.5447

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.



27.7050, 0.1523, 0.4237



27.7050, 0.3198, 0.1790



27.7050, 0.3716, 0.5912

Square

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



27.7050, 0.3198, 0.1790



27.7050, 0.5716, 0.3975



27.7050, 0.2513, 0.5885



27.7050, 0.0992, 0.1687

Rectangle

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



27.7050, 0.3198, 0.1790



27.7050, 0.5555, 0.2895



27.7050, 0.2513, 0.5885



27.7050, 0.1145, 0.3021

Sweetspot

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



27.7063, 0.3198, 0.1790



71.6648, 0.3151, 0.2792



12.4217, 0.1830, 0.1145



14.6266, 0.3154, 0.2721



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.



27.7063, 0.3198, 0.1790



30.8439, 0.3205, 0.1635



24.2955, 0.4183, 0.2481



14.6152, 0.3138, 0.3059



12.7567, 0.3210, 0.1542



0.9427, 0.3210, 0.1542

Inverse Universe

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



27.7063, 0.3198, 0.1790



30.8439, 0.3205, 0.1635



60.4349, 0.2697, 0.4401



14.6152, 0.3138, 0.3059



12.7567, 0.3210, 0.1542



0.9427, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 27.7050, 0.3198, 0.1790 looks on a white background.

Color Contrast Check

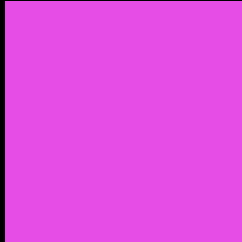
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7050, 0.3198, 0.1790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

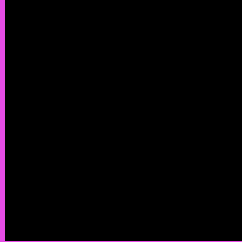
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7050, 0.3198, 0.1790

Background



This preview shows how black text looks on a background with the Yxy color 27.7050, 0.3198, 0.1790.

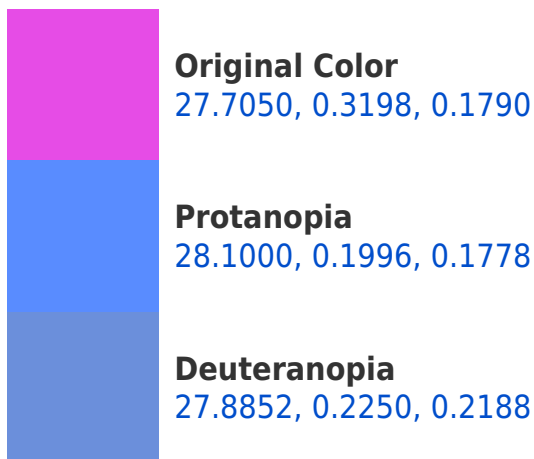


This preview shows how white text looks on a background with the Yxy color 27.7050, 0.3198, 0.1790.

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

27.4525, 0.4383, 0.3198

Trichromacy



Original Color

27.7050, 0.3198, 0.1790



Protanomaly

24.9518, 0.2269, 0.1675



Deuteranomaly

25.1968, 0.2509, 0.1923



Tritanomaly

26.7682, 0.3943, 0.2590

Monochromacy



Original Color

27.7050, 0.3198, 0.1790



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

24.6239, 0.3164, 0.2502

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7050, 0.3198, 0.1790 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, 76, 230)` looks like.

```
.text, #text, p{  
    color:rgb(230, 76, 230)  
}
```

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, 76, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 76, 230) }
```

Border

The CSS property to change the border of an element to Yxy 27.7050, 0.3198, 0.1790 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, 76, 230) }
```

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

```
.border{ border-color:rgb(230, 76, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 76, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 76, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 76, 230);  
box-shadow:4px 4px 4px 4px rgb(230, 76,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7050, 0.3198, 0.1790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 76, 230) }
```

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

```
.background{ background-color: rgb(230, 76,  
230) }
```

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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