

Converting Colors

$Y_{xy}(27.8200, 0.3190, 0.1948)$

Have a look what the booklet for
Yxy(27.8200, 0.3190, 0.1948)
contains.

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Color

Yxy(27.7961, 0.3190, 0.1950)

Conversions

Conversions Part 1

Format	Color
Hex	DA5DDA
RGB	218, 93, 218
RGB Percent	85%, 36%, 85%
CMY	0.1452, 0.6351, 0.1452
CMYK	0.00, 0.57, 0.00, 0.15
HSL	300°, 63%, 61%
HSV	300°, 57%, 85%
XYZ	45.4716, 27.7961, 69.2764
YIQ	144.6250, 34.3750, 65.3750

Conversions

Conversions Part 2

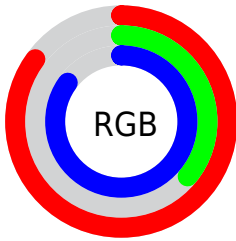
Format	Color
R _Y B	218, 93, 218
Decimal	14310874
CIE Lab	59.70, 64.74, -41.49
CIE LCh	60, 76.899, 327.345
Yxy	27.7961, 0.3190, 0.1950
Android (android.graphics.Color)	4292500954 (0xFFDA5DDA)
YUV	144.6250, 36.1739, 64.3499
Hunter-Lab	52.7220, 61.6888, -41.0013

Details

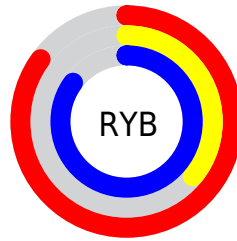
The Yxy color **27.7961, 0.3190, 0.1950** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted magenta. A complement of this color would be **53.2474, 0.3041, 0.5130**, and the grayscale version is **28.0012, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.9749, 0.3175, 0.2266**, and **11.0979, 0.3160, 0.1624** is the 20% darker color. If you saturate the color by 10%, you get **24.4987, 0.3198, 0.1788**, and if you desaturate by 10%, it is **32.1863, 0.3181, 0.2148**.

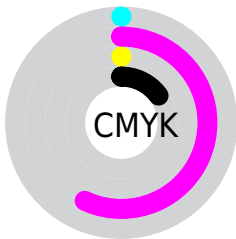
Distribution



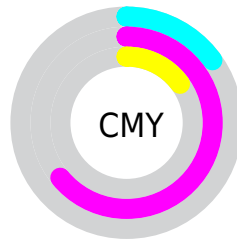
- Red (85%)
- Green (36%)
- Blue (85%)



- Red (85%)
- Yellow (36%)
- Blue (85%)



- Cyan (0%)
- Magenta (57%)
- Yellow (0%)
- Black (15%)





- Cyan (15%)
- Magenta (64%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7961, 0.3190, 0.1950 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 27.7961, 0.3190, 0.1950 by changing the saturation by 10% instead.

 27.7961, 0.3190,
0.1950


 27.7961, 0.3190,
0.1950


291.4913, 0.3187,
0.2585


 18.1720, 0.3182,
0.1805


 56.1587, 0.3196,
0.2171

 11.0736, 0.3167,
0.1628


 75.6661, 0.3196,
0.2257

 6.1163, 0.3139,
0.1408


 99.2366, 0.3195,
0.2331

 2.9159, 0.3085,
0.1132

 127.2548, 0.3194,
0.2395

 1.0880, 0.2980,
0.0788

160.1049, 0.3193,
0.2451

 0.0000, 0.2870,
0.0000

198.1715, 0.3191,


 0.0000, 0.2127,


0.2501

0.0000


241.8388, 0.3189,
0.2545


 0.0000, 0.0000,
0.0000


 27.7961, 0.3190,
0.1950

 27.7961, 0.3190,
0.1950


 24.4987, 0.3198,
0.1788

 32.1863, 0.3181,
0.2148

 22.1951, 0.3203,
0.1666


 37.7498, 0.3170,
0.2372


 20.7746, 0.3207,
0.1588

 44.5637, 0.3159,
0.2614

 20.0875, 0.3209,
0.1549

 52.6977, 0.3147,
0.2863

 19.9603, 0.3209,
0.1542

 62.2163, 0.3136,
0.3112

■ 73.1795, 0.3124,
0.3354

■ 85.6442, 0.3113,
0.3584

■ 91.4811, 0.3109,
0.3679

■ 91.4812, 0.3109,
0.3679

Harmonies

Analogous

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



27.7961, 0.2106, 0.1628



27.7961, 0.3190, 0.1950



27.7961, 0.4511, 0.2517

Triad

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



27.7961, 0.3190, 0.1950



27.7961, 0.4772, 0.4860



27.7961, 0.1269, 0.2700

Complementary

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



27.7961, 0.3190, 0.1950



53.2474, 0.3041, 0.5130

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.



27.7961, 0.1751, 0.4120



27.7961, 0.3190, 0.1950



27.7961, 0.3761, 0.5581

Square

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



27.7961, 0.3190, 0.1950



27.7961, 0.5443, 0.3999



27.7961, 0.2668, 0.5449



27.7961, 0.1198, 0.1895

Rectangle

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



27.7961, 0.3190, 0.1950



27.7961, 0.5204, 0.2979



27.7961, 0.2668, 0.5449



27.7961, 0.1378, 0.3114

Sweetspot

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



27.7974, 0.3190, 0.1950



75.3920, 0.3147, 0.2867



15.5974, 0.2025, 0.1484



15.5986, 0.3149, 0.2817



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.



27.7974, 0.3190, 0.1950



34.0785, 0.3199, 0.1756



25.1919, 0.3930, 0.2541



13.2749, 0.3138, 0.3060



11.9622, 0.3209, 0.1542



0.7750, 0.3209, 0.1542

Inverse Universe

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



23.5286, 0.4874, 0.3295



27.4245, 0.5464, 0.3297



54.7702, 0.2738, 0.4240



13.0515, 0.3292, 0.3290



8.9299, 0.6401, 0.3300



0.5785, 0.6401, 0.3300

Previews

White Background



This preview shows how the Yxy color 27.7961, 0.3190, 0.1950 looks on a white background.

Color Contrast Check

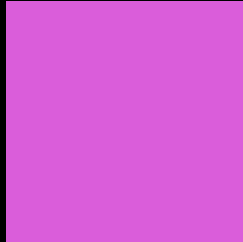
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7961, 0.3190, 0.1950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

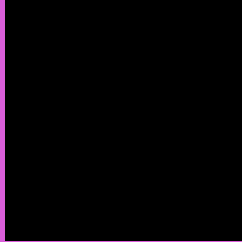
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7961, 0.3190, 0.1950

Background



This preview shows how black text looks on a background with the Yxy color 27.7961, 0.3190, 0.1950.

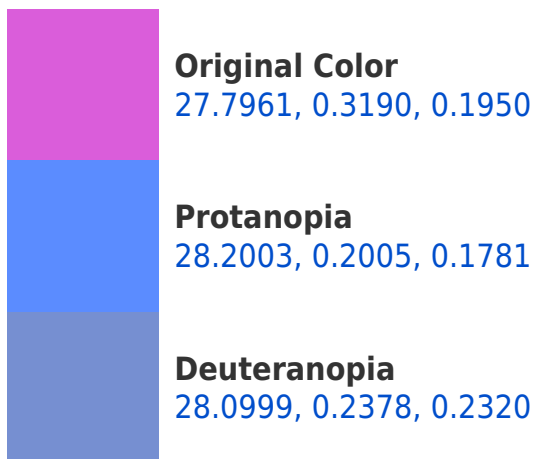


This preview shows how white text looks on a background with the Yxy color 27.7961, 0.3190, 0.1950.

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

27.7286, 0.4140, 0.3191

Trichromacy



Original Color

27.7961, 0.3190, 0.1950



Protanomaly

25.8951, 0.2281, 0.1767



Deuteranomaly

26.2907, 0.2614, 0.2112



Tritanomaly

27.2894, 0.3787, 0.2678

Monochromacy



Original Color

27.7961, 0.3190, 0.1950



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

26.6709, 0.3158, 0.2638

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7961, 0.3190, 0.1950 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(218, 93, 218)` looks like.

```
.text, #text, p{  
    color:rgb(218, 93, 218)  
}
```

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(218, 93, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 93, 218) }
```

Border

The CSS property to change the border of an element to Yxy 27.7961, 0.3190, 0.1950 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(218, 93, 218) }
```

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

```
.border{ border-color:rgb(218, 93, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 93, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 93, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 93, 218);  
box-shadow:4px 4px 4px 4px rgb(218, 93,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7961, 0.3190, 0.1950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 93, 218) }
```

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

```
.background{ background-color: rgb(218, 93,  
218) }
```

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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