

Converting Colors

$Y_{xy}(27.1396, 0.3333, 0.2149)$

Have a look what the booklet for
Yxy(27.1396, 0.3333, 0.2149)
contains.

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Color

Yxy(27.1933, 0.3338, 0.2150)

Conversions

Conversions Part 1

Format	Color
Hex	D563C7
RGB	213, 99, 199
RGB Percent	84%, 39%, 78%
CMY	0.1646, 0.6119, 0.2195
CMYK	0.00, 0.54, 0.07, 0.16
HSL	307°, 58%, 61%
HSV	307°, 54%, 84%
XYZ	42.2192, 27.1933, 57.0680
YIQ	144.4860, 35.8440, 55.2680

Conversions

Conversions Part 2

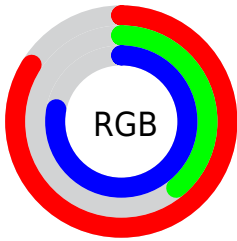
Format	Color
R _Y B	213, 99, 199
Decimal	13984711
CIE Lab	59.15, 57.56, -31.68
CIE LCh	59, 65.706, 331.175
Yxy	27.1933, 0.3338, 0.2150
Android (android.graphics.Color)	4292174791 (0xFFD563C7)
YUV	144.4860, 26.8754, 60.0868
Hunter-Lab	52.1472, 53.2588, -28.3818

Details

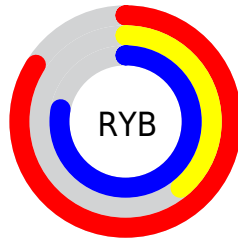
The Yxy color **27.1933, 0.3338, 0.2150** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **51.4470, 0.2977, 0.4797**, and the grayscale version is **27.9734, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.5912, 0.3173, 0.2311**, and **10.7682, 0.3373, 0.1849** is the 20% darker color. If you saturate the color by 10%, you get **23.5572, 0.3386, 0.1986**, and if you desaturate by 10%, it is **31.8983, 0.3291, 0.2343**.

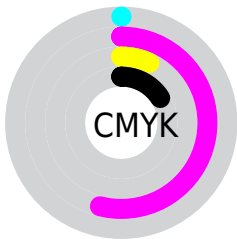
Distribution



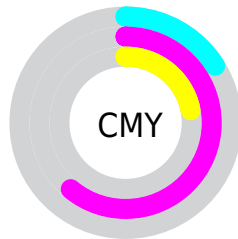
- Red (84%)
- Green (39%)
- Blue (78%)



- Red (84%)
- Yellow (39%)
- Blue (78%)



- Cyan (0%)
- Magenta (54%)
- Yellow (7%)
- Black (16%)





- Cyan (16%)
- Magenta (61%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.1933, 0.3338, 0.2150 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 27.1933, 0.3338, 0.2150 by changing the saturation by 10% instead.


 27.1933, 0.3338,
0.2150


 27.1933, 0.3338,
0.2150


288.5918, 0.3249,
0.2707


 17.7185, 0.3355,
0.2017


 55.1939, 0.3310,
0.2348


 10.7480, 0.3372,
0.1851


 74.4884, 0.3298,
0.2424

 5.8977, 0.3390,
0.1639


 97.8250, 0.3287,
0.2488

 2.7830, 0.3402,
0.1362

 125.5880, 0.3278,
0.2544

 1.0195, 0.3393,
0.0995

158.1617, 0.3269,
0.2593

 0.0000, 0.3492,
0.0000

195.9307, 0.3262,


 0.0000, 0.2253,


0.2635


0.0000

239.2793, 0.3255,
0.2673

 0.0000, 0.0000,
0.0000


 27.1933, 0.3338,
0.2150


 27.1933, 0.3338,
0.2150


 23.5572, 0.3386,
0.1986


 31.8983, 0.3291,
0.2343


 20.9006, 0.3433,
0.1859


 37.7449, 0.3247,
0.2554


 19.1258, 0.3479,
0.1776

 44.8035, 0.3207,
0.2775

 18.1131, 0.3522,
0.1737

 53.1382, 0.3170,
0.2998

 17.7325, 0.3549,
0.1729

 62.8082, 0.3138,
0.3215

■ 73.8692, 0.3109,
0.3423

■ 86.3737, 0.3085,
0.3619

■ 90.8355, 0.3067,
0.3660

■ 90.9753, 0.3053,
0.3632

Harmonies

Analogous

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



27.1933, 0.2335, 0.1821



27.1933, 0.3338, 0.2150



27.1933, 0.4459, 0.2696

Triad

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



27.1933, 0.3338, 0.2150



27.1933, 0.4536, 0.4833



27.1933, 0.1439, 0.2683

Complementary

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



27.1933, 0.3338, 0.2150



51.4470, 0.2977, 0.4797

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.



27.1933, 0.1849, 0.3839



27.1933, 0.3338, 0.2150



27.1933, 0.3626, 0.5322

Square

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



27.1933, 0.3338, 0.2150



27.1933, 0.5144, 0.4091



27.1933, 0.2645, 0.5005



27.1933, 0.1402, 0.2009

Rectangle

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



27.1933, 0.3338, 0.2150



27.1933, 0.5008, 0.3133



27.1933, 0.2645, 0.5005



27.1933, 0.1531, 0.3021

Sweetspot

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



27.1946, 0.3338, 0.2150



76.3558, 0.3179, 0.2939



17.1885, 0.2199, 0.1630



15.7743, 0.3187, 0.2893



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.



27.1946, 0.3338, 0.2150



34.8751, 0.3391, 0.1970



25.0442, 0.4065, 0.2763



12.6052, 0.3156, 0.3088



10.8387, 0.3543, 0.1726



0.6613, 0.3478, 0.1689

Inverse Universe

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



27.1946, 0.3338, 0.2150



34.8751, 0.3391, 0.1970



53.1312, 0.2671, 0.3927



12.6052, 0.3156, 0.3088



10.8387, 0.3543, 0.1726



0.6613, 0.3478, 0.1689

Previews

White Background



This preview shows how the Yxy color 27.1933, 0.3338, 0.2150 looks on a white background.

Color Contrast Check

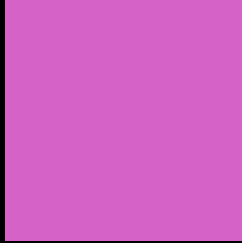
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.1933, 0.3338, 0.2150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

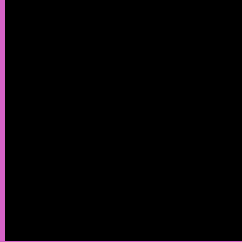
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.1933, 0.3338, 0.2150

Background



This preview shows how black text looks on a background with the Yxy color 27.1933, 0.3338, 0.2150.

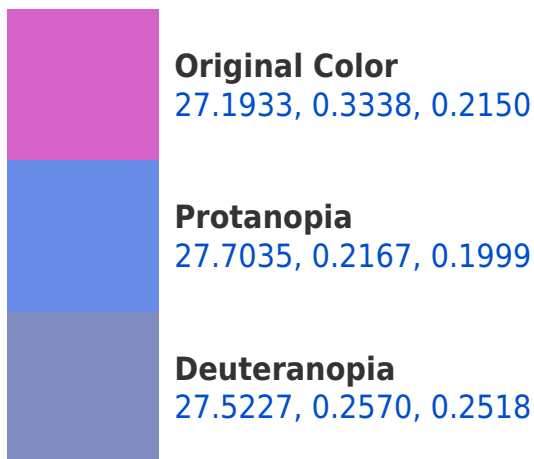


This preview shows how white text looks on a background with the Yxy color 27.1933, 0.3338, 0.2150.

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

27.1824, 0.4135, 0.3190

Trichromacy



Original Color

27.1933, 0.3338, 0.2150



Protanomaly

25.9074, 0.2472, 0.1998



Deuteranomaly

26.3354, 0.2810, 0.2327



Tritanomaly

26.8288, 0.3841, 0.2766

Monochromacy



Original Color

27.1933, 0.3338, 0.2150



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

26.5537, 0.3208, 0.2767

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1933, 0.3338, 0.2150 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(213, 99, 199)` looks like.

```
.text, #text, p{  
    color:rgb(213, 99, 199)  
}
```

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(213, 99, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 99, 199) }
```

Border

The CSS property to change the border of an element to Yxy 27.1933, 0.3338, 0.2150 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(213, 99, 199) }
```

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

```
.border{ border-color:rgb(213, 99, 199) }
```

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

Here you see how a box with a 4 pixel rgb(213, 99, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 99, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 99, 199);  
box-shadow:4px 4px 4px 4px rgb(213, 99,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1933, 0.3338, 0.2150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 99, 199) }
```

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

```
.background{ background-color: rgb(213, 99,  
199) }
```

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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