

Converting Colors

$Y_{xy}(28.4723, 0.3104, 0.1937)$

Have a look what the booklet for
Yxy(28.4723, 0.3104, 0.1937)
contains.

Yxy(28.5102, 0.3107, 0.1938)	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(28.5102, 0.3107, 0.1938)

Conversions

Conversions Part 1

Format	Color
Hex	D762DF
RGB	215, 98, 223
RGB Percent	84%, 38%, 87%
CMY	0.1569, 0.6156, 0.1256
CMYK	0.04, 0.56, 0.00, 0.13
HSL	296°, 66%, 63%
HSV	296°, 56%, 87%
XYZ	45.7075, 28.5102, 72.8937
YIQ	147.2330, 29.6070, 63.6790

Conversions

Conversions Part 2

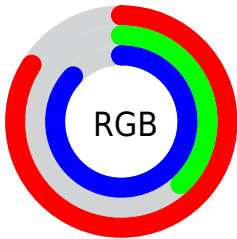
Format	Color
R _{YB}	215, 98, 223
Decimal	14115551
CIE _{Lab}	60.35, 62.65, -43.33
CIE _{LCh}	60, 76.172, 325.332
Yxy	28.5102, 0.3107, 0.1938
Android (android.graphics.Color)	4292305631 (0xFFD762DF)
YUV	147.2330, 37.3531, 59.4317
Hunter-Lab	53.3949, 59.3597, -43.5651

Details

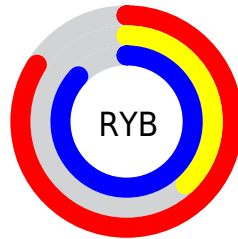
The Yxy color **28.5102, 0.3107, 0.1938** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **56.7132, 0.3085, 0.5067**, and the grayscale version is **29.1147, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.5912, 0.3173, 0.2311**, and **11.4092, 0.3059, 0.1615** is the 20% darker color. If you saturate the color by 10%, you get **24.6882, 0.3096, 0.1758**, and if you desaturate by 10%, it is **33.4987, 0.3115, 0.2151**.

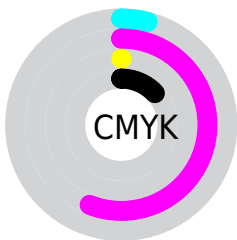
Distribution



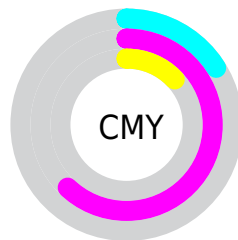
- Red (84%)
- Green (38%)
- Blue (87%)



- Red (84%)
- Yellow (38%)
- Blue (87%)



- Cyan (4%)
- Magenta (56%)
- Yellow (0%)
- Black (13%)





- Cyan (16%)
- Magenta (62%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.5102, 0.3107, 0.1938 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 28.5102, 0.3107, 0.1938 by changing the saturation by 10% instead.

 28.5102, 0.3107,
0.1938


 28.5102, 0.3107,
0.1938


294.8969, 0.3147,
0.2576


 18.7106, 0.3088,
0.1793


 57.2980, 0.3128,
0.2159


 11.4614, 0.3060,
0.1617


 77.0550, 0.3134,
0.2246

 6.3781, 0.3014,
0.1399


 100.8998, 0.3139,
0.2320

 3.0763, 0.2938,
0.1127

 129.2170, 0.3142,
0.2384

 1.1717, 0.2802,
0.0789

162.3910, 0.3144,
0.2441

 0.0384, 0.2634,
0.0056

200.8060, 0.3146,


 0.0000, 0.1910,


0.2491


0.0000


244.8465, 0.3147,
0.2536


 0.0000, 0.0000,
0.0000


 28.5102, 0.3107,
0.1938


 28.5102, 0.3107,
0.1938


 24.6882, 0.3096,
0.1758


 33.4987, 0.3115,
0.2151


 21.9296, 0.3084,
0.1618

 39.7376, 0.3122,
0.2388


 20.1201, 0.3069,
0.1521

 47.3076, 0.3125,
0.2638

 19.1160, 0.3054,
0.1467

 56.2815, 0.3127,
0.2892

 18.8421, 0.3047,
0.1452

 66.7269, 0.3128,
0.3143

■ 78.7068, 0.3127,
0.3384

■ 92.2809, 0.3124,
0.3611

■ 93.0801, 0.3133,
0.3619

■ 93.3121, 0.3142,
0.3619

Harmonies

Analogous

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



28.5102, 0.2066, 0.1637



28.5102, 0.3107, 0.1938



28.5102, 0.4405, 0.2486

Triad

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



28.5102, 0.3107, 0.1938



28.5102, 0.4815, 0.4790



28.5102, 0.1311, 0.2790

Complementary

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



28.5102, 0.3107, 0.1938



56.7132, 0.3085, 0.5067

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.



28.5102, 0.1822, 0.4211



28.5102, 0.3107, 0.1938



28.5102, 0.3834, 0.5515

Square

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



28.5102, 0.3107, 0.1938



28.5102, 0.5436, 0.3946



28.5102, 0.2752, 0.5455



28.5102, 0.1215, 0.1952

Rectangle

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



28.5102, 0.3107, 0.1938



28.5102, 0.5115, 0.2940



28.5102, 0.2752, 0.5455



28.5102, 0.1430, 0.3211

Sweetspot

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



28.5115, 0.3107, 0.1938



74.8702, 0.3127, 0.2865



18.3045, 0.2066, 0.1606



15.4738, 0.3127, 0.2813



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.



28.5115, 0.3107, 0.1938



32.8306, 0.3095, 0.1735



27.2822, 0.3822, 0.2486



13.8887, 0.3128, 0.3058



11.0998, 0.3050, 0.1454



0.7830, 0.3076, 0.1468

Inverse Universe

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



25.4648, 0.4707, 0.3205



28.4515, 0.5234, 0.3203



57.6366, 0.2775, 0.4311



13.7147, 0.3282, 0.3275



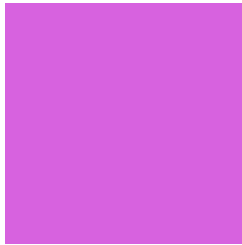
9.2490, 0.6330, 0.3260



0.6462, 0.6130, 0.3151

Previews

White Background



This preview shows how the Yxy color 28.5102, 0.3107, 0.1938 looks on a white background.

Color Contrast Check

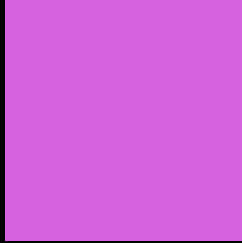
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.5102, 0.3107, 0.1938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

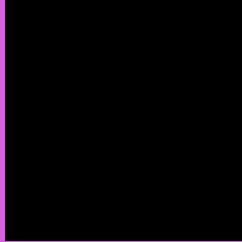
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.5102, 0.3107, 0.1938

Background



This preview shows how black text looks on a background with the Yxy color 28.5102, 0.3107, 0.1938.

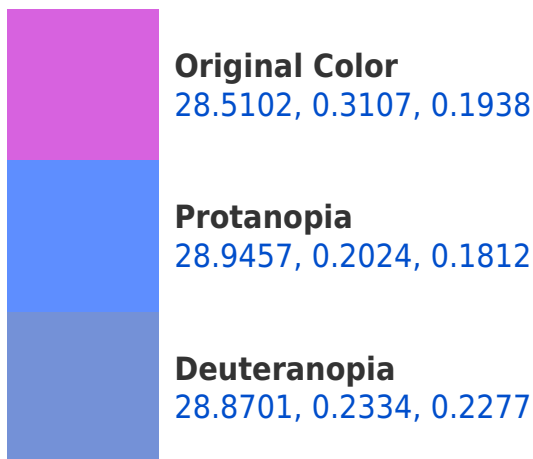


This preview shows how white text looks on a background with the Yxy color 28.5102, 0.3107, 0.1938.

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

28.2543, 0.4010, 0.3175

Trichromacy



Original Color

28.5102, 0.3107, 0.1938



Protanomaly

26.7960, 0.2289, 0.1797



Deuteranomaly

27.1757, 0.2557, 0.2085



Tritanomaly

27.7560, 0.3667, 0.2655

Monochromacy



Original Color

28.5102, 0.3107, 0.1938



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

27.5663, 0.3125, 0.2642

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5102, 0.3107, 0.1938 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(215, 98, 223)` looks like.

```
.text, #text, p{  
    color:rgb(215, 98, 223)  
}
```

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(215, 98, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 98, 223) }
```

Border

The CSS property to change the border of an element to Yxy 28.5102, 0.3107, 0.1938 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(215, 98, 223) }
```

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

```
.border{ border-color:rgb(215, 98, 223) }
```

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

Here you see how a box with a 4 pixel rgb(215, 98, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 98, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 98, 223);  
box-shadow:4px 4px 4px 4px rgb(215, 98,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5102, 0.3107, 0.1938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 98, 223) }
```

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

```
.background{ background-color: rgb(215, 98,  
223) }
```

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