

Converting Colors

$Y_{xy}(18.7010, 0.4008, 0.2230)$

Have a look what the booklet for
Yxy(18.7010, 0.4008, 0.2230)
contains.

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Color

Yxy(18.7010, 0.4008, 0.2230)

Conversions

Conversions Part 1

Format	Color
Hex	D23798
RGB	210, 55, 152
RGB Percent	82%, 22%, 60%
CMY	0.1765, 0.7843, 0.4039
CMYK	0.00, 0.74, 0.28, 0.18
HSL	322°, 63%, 52%
HSV	322°, 74%, 82%
XYZ	33.6115, 18.7010, 31.5485
YIQ	112.4030, 61.2430, 63.0270

Conversions

Conversions Part 2

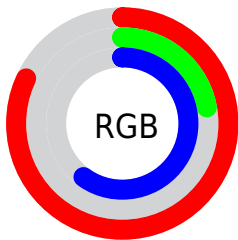
Format	Color
R _Y B	210, 55, 152
Decimal	13776792
CIE Lab	50.34, 67.65, -17.97
CIE LCh	50, 69.996, 345.122
Yxy	18.7010, 0.4008, 0.2230
Android (android.graphics.Color)	4291966872 (0xFFD23798)
YUV	112.4030, 19.5213, 85.5926
Hunter-Lab	43.2447, 63.0592, -12.9829

Details

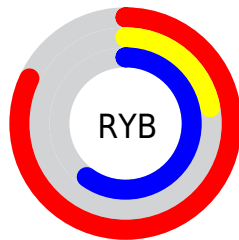
The Yxy color **18.7010, 0.4008, 0.2230** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **48.0953, 0.2784, 0.4851**, and the grayscale version is **16.2580, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9777, 0.3677, 0.2387**, and **7.5189, 0.4245, 0.2112** is the 20% darker color. If you saturate the color by 10%, you get **16.8641, 0.4178, 0.2188**, and if you desaturate by 10%, it is **21.4051, 0.3843, 0.2318**.

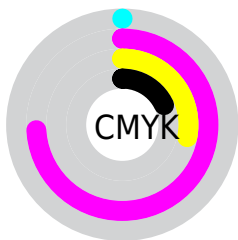
Distribution



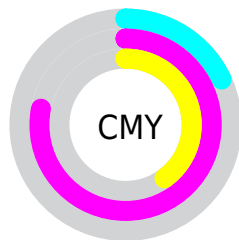
- Red (82%)
- Green (22%)
- Blue (60%)



- Red (82%)
- Yellow (22%)
- Blue (60%)



- Cyan (0%)
- Magenta (74%)
- Yellow (28%)
- Black (18%)





- Cyan (18%)
- Magenta (78%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.7010, 0.4008, 0.2230 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 18.7010, 0.4008, 0.2230 by changing the saturation by 10% instead.


 18.7010, 0.4008,
0.2230

 18.7010, 0.4008,
0.2230


244.7931, 0.3530,
0.2787


 11.4544, 0.4140,
0.2084


 41.2282, 0.3825,
0.2438


 6.3734, 0.4317,
0.1893


 57.2777, 0.3759,
0.2515


 3.0734, 0.4567,
0.1636


 77.0303, 0.3704,
0.2579

 1.1702, 0.4938,
0.1278

 100.8703, 0.3658,
0.2633

 0.0371, 0.5929,
0.0110

 129.1822, 0.3619,
0.2680

 0.0000, 0.8739,
0.0000

162.3504, 0.3585,

 0.0000, 0.0000,

0.2720

0.0000

200.7592, 0.3556,
0.2756

■ 18.7010, 0.4008,
0.2230

■ 18.7010, 0.4008,
0.2230

■ 16.8641, 0.4178,
0.2188

■ 21.4051, 0.3843,
0.2318

■ 15.7751, 0.4346,
0.2198

■ 25.0697, 0.3689,
0.2441

■ 15.3511, 0.4448,
0.2224

■ 29.7789, 0.3550,
0.2588

■ 35.6069, 0.3427,
0.2748

■ 42.6212, 0.3320,
0.2913

■ 50.8838, 0.3229,
0.3076

■ 60.4525, 0.3153,
0.3233

■ 71.3811, 0.3089,
0.3381

■ 83.7209, 0.3035,
0.3519

Harmonies

Analogous

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



18.7010, 0.2679, 0.1745



18.7010, 0.4008, 0.2230



18.7010, 0.5218, 0.2905

Triad

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



18.7010, 0.4008, 0.2230



18.7010, 0.4205, 0.5393



18.7010, 0.1134, 0.2107

Complementary

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



18.7010, 0.4008, 0.2230



48.0953, 0.2784, 0.4851

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.



18.7010, 0.1356, 0.3204



18.7010, 0.4008, 0.2230



18.7010, 0.3091, 0.5759

Square

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



18.7010, 0.4008, 0.2230



18.7010, 0.5151, 0.4514



18.7010, 0.2038, 0.4820



18.7010, 0.1268, 0.1620

Rectangle

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



18.7010, 0.4008, 0.2230



18.7010, 0.5591, 0.3402



18.7010, 0.2038, 0.4820



18.7010, 0.1164, 0.2394

Sweetspot

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



18.7020, 0.4008, 0.2230



68.0020, 0.3305, 0.2938



10.8210, 0.2125, 0.1170



13.8584, 0.3332, 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.



18.7020, 0.4008, 0.2230



24.9986, 0.4282, 0.2188



16.9520, 0.5345, 0.3099



11.9309, 0.3194, 0.3146



9.3846, 0.4425, 0.2211



0.5398, 0.4144, 0.2057

Inverse Universe

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



18.7020, 0.4008, 0.2230



24.9986, 0.4282, 0.2188



50.5916, 0.2404, 0.3594



11.9309, 0.3194, 0.3146



9.3846, 0.4425, 0.2211



0.5398, 0.4144, 0.2057

Previews

White Background



This preview shows how the Yxy color 18.7010, 0.4008, 0.2230 looks on a white background.

Color Contrast Check

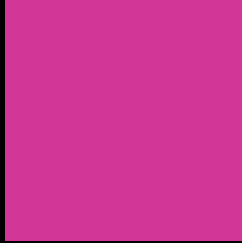
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.7010, 0.4008, 0.2230 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 18.7010, 0.4008, 0.2230

Background



This preview shows how black text looks on a background with the Yxy color 18.7010, 0.4008, 0.2230.



This preview shows how white text looks on a background with the Yxy color 18.7010, 0.4008, 0.2230.

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



Original Color

18.7010, 0.4008, 0.2230

Protanopia

19.1551, 0.2154, 0.1983

Deuteranopia

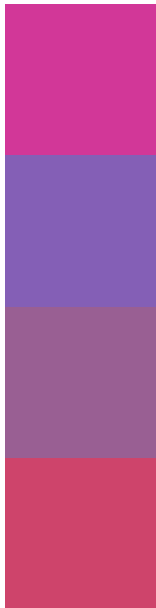
19.0354, 0.2875, 0.2821



Tritanopia

18.6003, 0.5046, 0.3239

Trichromacy



Original Color

18.7010, 0.4008, 0.2230

Protanomaly

16.4674, 0.2601, 0.1942

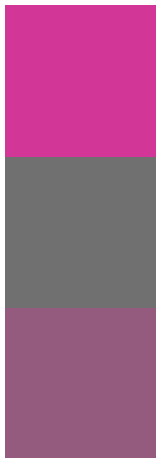
Deuteranomaly

17.0633, 0.3247, 0.2463

Tritanomaly

18.3176, 0.4689, 0.2847

Monochromacy



Original Color

18.7010, 0.4008, 0.2230

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

15.3104, 0.3466, 0.2682

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7010, 0.4008, 0.2230 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(210, 55, 152)` looks like.

```
.text, #text, p{  
    color:rgb(210, 55, 152)  
}
```

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(210, 55, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 55, 152) }
```

Border

The CSS property to change the border of an element to Yxy 18.7010, 0.4008, 0.2230 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(210, 55, 152) }
```

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

```
.border{ border-color:rgb(210, 55, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 55, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 55, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 55, 152);  
box-shadow:4px 4px 4px 4px rgb(210, 55,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7010, 0.4008, 0.2230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 55, 152) }
```

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

```
.background{ background-color: rgb(210, 55,  
152) }
```

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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