

Converting Colors

$Y_{xy}(19.7684, 0.4441, 0.2704)$

Have a look what the booklet for
Yxy(19.7684, 0.4441, 0.2704)
contains.

Yxy(19.7664, 0.4443, 0.2705)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.7664, 0.4443, 0.2705)

Conversions

Conversions Part 1

Format	Color
Hex	D2487B
RGB	210, 72, 123
RGB Percent	82%, 28%, 48%
CMY	0.1765, 0.7175, 0.5177
CMYK	0.00, 0.66, 0.41, 0.18
HSL	338°, 61%, 55%
HSV	338°, 66%, 82%
XYZ	32.4666, 19.7664, 20.8406
YIQ	119.0760, 65.8770, 45.1170

Conversions

Conversions Part 2

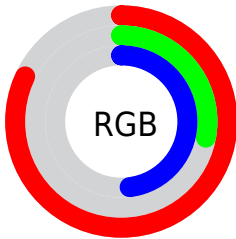
Format	Color
RYB	210, 72, 123
Decimal	13781115
CIELab	51.57, 58.26, 1.24
CIElCh	52, 58.272, 1.222
Yxy	19.7664, 0.4443, 0.2705
Android (android.graphics.Color)	4291971195 (0xFFD2487B)
YUV	119.0760, 1.9345, 79.7403
Hunter-Lab	44.4594, 52.5460, 3.3291

Details

The Yxy color **19.7664, 0.4443, 0.2705** is a dark color, and the websafe version is hex **CC3366**. The color can be described as middle muted rose. A complement of this color would be **49.9668, 0.2606, 0.4072**, and the grayscale version is **18.4547, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.7935, 0.4000, 0.2807**, and **7.0873, 0.4940, 0.2495** is the 20% darker color. If you saturate the color by 10%, you get **17.1898, 0.4765, 0.2680**, and if you desaturate by 10%, it is **23.3169, 0.4146, 0.2766**.

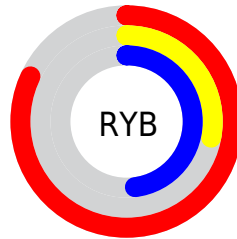
Distribution



Red (82%)

Green (28%)

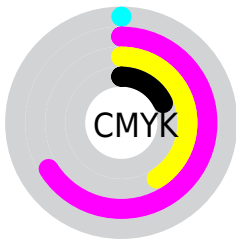
Blue (48%)



Red (82%)

Yellow (28%)

Blue (48%)

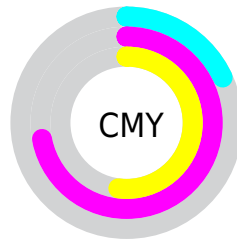


Cyan (0%)

Magenta (66%)

Yellow (41%)

Black (18%)



Cyan (18%)


Magenta (72%)

Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.7664, 0.4443, 0.2705 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 19.7664, 0.4443, 0.2705 by changing the saturation by 10% instead.


 19.7664, 0.4443,
0.2705


 19.7664, 0.4443,
0.2705


250.6477, 0.3697,
0.3039


 12.2254, 0.4662,
0.2606


 43.0252, 0.4148,
0.2838


 6.8973, 0.4966,
0.2468


 59.5117, 0.4045,
0.2884

 3.3980, 0.5410,
0.2264

 79.7489, 0.3961,
0.2922

 1.3429, 0.6106,
0.1941

 104.1210, 0.3890,
0.2953

 0.1740, 0.8687,
0.0826

 133.0126, 0.3831,
0.2980

 0.0000, 1.0000,
0.0000

166.8080, 0.3780,

 0.0000, 0.0000,

0.3002

0.0000

205.8915, 0.3736,
0.3022

■ 19.7664, 0.4443,
0.2705

■ 19.7664, 0.4443,
0.2705

■ 17.1898, 0.4765,
0.2680

■ 23.3169, 0.4146,
0.2766

■ 15.4832, 0.5092,
0.2702

■ 27.9247, 0.3883,
0.2850

■ 14.5238, 0.5398,
0.2776

■ 33.6680, 0.3659,
0.2945

■ 14.2429, 0.5522,
0.2816

■ 40.6164, 0.3471,
0.3045

■ 48.8343, 0.3316,
0.3144

■ 58.3810, 0.3189,
0.3239

■ 69.3124, 0.3085,
0.3327

■ 81.6810, 0.3000,
0.3409

■ 91.6394, 0.2928,
0.3423

Harmonies

Analogous

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



19.7664, 0.3338, 0.2163



19.7664, 0.4443, 0.2705



19.7664, 0.5142, 0.3368

Triad

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



19.7664, 0.4443, 0.2705



19.7664, 0.3624, 0.5295



19.7664, 0.1419, 0.2024

Complementary

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



19.7664, 0.4443, 0.2705



49.9668, 0.2606, 0.4072

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.



19.7664, 0.1457, 0.2691



19.7664, 0.4443, 0.2705



19.7664, 0.2652, 0.4976

Square

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



19.7664, 0.4443, 0.2705



19.7664, 0.4523, 0.4821



19.7664, 0.1864, 0.3830



19.7664, 0.1708, 0.1774

Rectangle

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



19.7664, 0.4443, 0.2705



19.7664, 0.5206, 0.3844



19.7664, 0.1864, 0.3830



19.7664, 0.1395, 0.2193

Sweetspot

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



19.7675, 0.4443, 0.2705



69.7649, 0.3383, 0.3100



16.4691, 0.2605, 0.1539



14.1685, 0.3428, 0.3072



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.



19.7675, 0.4443, 0.2705



25.4144, 0.4902, 0.2683



21.1671, 0.5123, 0.3471



11.8794, 0.3233, 0.3204



8.7075, 0.5484, 0.2795



0.5020, 0.4980, 0.2517

Inverse Universe

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



19.7675, 0.4443, 0.2705



25.4144, 0.4902, 0.2683



44.5645, 0.2301, 0.3054



11.8794, 0.3233, 0.3204



8.7075, 0.5484, 0.2795



0.5020, 0.4980, 0.2517

Previews

White Background



This preview shows how the Yxy color 19.7664, 0.4443, 0.2705 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 19.7664, 0.4443, 0.2705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

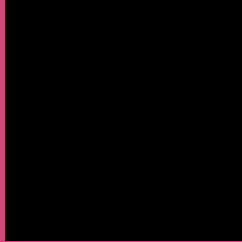
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.7664, 0.4443, 0.2705

Background



This preview shows how black text looks on a background with the Yxy color 19.7664, 0.4443, 0.2705.



This preview shows how white text looks on a background with the Yxy color 19.7664, 0.4443, 0.2705.

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

19.7664, 0.4443, 0.2705

Protanopia

19.9320, 0.2736, 0.2739

Deuteranopia

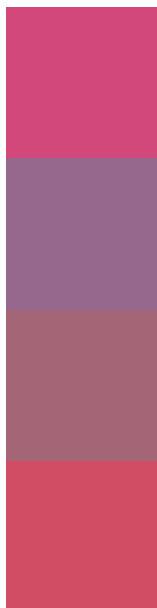
19.8579, 0.3407, 0.3344



Tritanopia

19.6586, 0.4982, 0.3239

Trichromacy



Original Color

19.7664, 0.4443, 0.2705

Protanomaly

18.3377, 0.3262, 0.2669

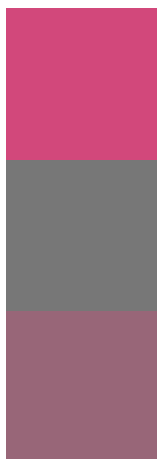
Deuteranomaly

18.7272, 0.3776, 0.3023

Tritanomaly

19.6185, 0.4794, 0.3042

Monochromacy



Original Color

19.7664, 0.4443, 0.2705

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

17.5342, 0.3595, 0.2989

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7664, 0.4443, 0.2705 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, 72, 123)` looks like.

```
.text, #text, p{  
    color:rgb(210, 72, 123)  
}
```

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, 72, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 72, 123) }
```

Border

The CSS property to change the border of an element to Yxy 19.7664, 0.4443, 0.2705 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, 72, 123) }
```

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

```
.border{ border-color:rgb(210, 72, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 72, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 72, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 72, 123);  
box-shadow:4px 4px 4px 4px rgb(210, 72,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7664, 0.4443, 0.2705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 72, 123) }
```

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

```
.background{ background-color: rgb(210, 72,  
123) }
```

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