

Converting Colors

$Yxy(19.9864, 0.4986, 0.3029)$

Have a look what the booklet for
Yxy(19.9864, 0.4986, 0.3029)
contains.

Yxy(19.9766, 0.4981, 0.3023)	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(19.9766, 0.4981, 0.3023)

Conversions

Conversions Part 1

Format	Color
Hex	D94660
RGB	217, 70, 96
RGB Percent	85%, 27%, 38%
CMY	0.1491, 0.7254, 0.6235
CMYK	0.00, 0.68, 0.56, 0.15
HSL	349°, 66%, 56%
HSV	349°, 68%, 85%
XYZ	32.9155, 19.9766, 13.1900
YIQ	116.9170, 79.2660, 39.2500

Conversions

Conversions Part 2

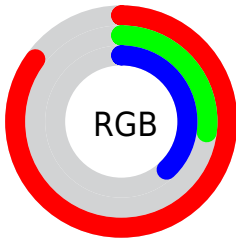
Format	Color
RYB	217, 70, 96
Decimal	14239328
CIELab	51.81, 58.83, 17.96
CIElCh	52, 61.513, 16.972
Yxy	19.9766, 0.4981, 0.3023
Android (android.graphics.Color)	4292429408 (0xFFD94660)
YUV	116.9170, -10.3121, 87.7728
Hunter-Lab	44.6952, 53.2385, 13.7896

Details

The Yxy color **19.9766, 0.4981, 0.3023** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted rose. A complement of this color would be **54.6858, 0.2460, 0.3662**, and the grayscale version is **17.7788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.5141, 0.4345, 0.3098**, and **7.2982, 0.5656, 0.2890** is the 20% darker color. If you saturate the color by 10%, you get **17.4427, 0.5405, 0.3035**, and if you desaturate by 10%, it is **23.5678, 0.4569, 0.3038**.

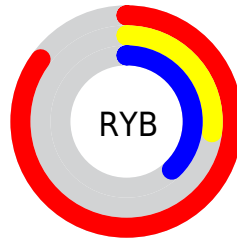
Distribution



Red (85%)

Green (27%)

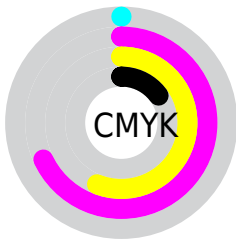
Blue (38%)



Red (85%)

Yellow (27%)

Blue (38%)

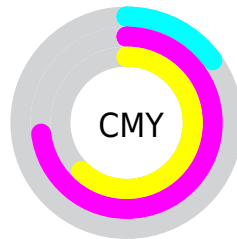


Cyan (0%)

Magenta (68%)

Yellow (56%)

Black (15%)



Cyan (15%)


Magenta (73%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9766, 0.4981, 0.3023 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 19.9766, 0.4981, 0.3023 by changing the saturation by 10% instead.

 19.9766, 0.4981,
0.3023


 19.9766, 0.4981,
0.3023


251.7884, 0.3925,
0.3219


 12.3780, 0.5287,
0.2945


 43.3779, 0.4565,
0.3114


 7.0017, 0.5703,
0.2825


 59.9495, 0.4418,
0.3141


 3.4632, 0.6288,
0.2624


 80.2809, 0.4298,
0.3163

 1.3780, 0.7373,
0.2341

 104.7564, 0.4198,
0.3179

 0.2005, 0.9044,
0.0956

 133.7606, 0.4114,
0.3192

 0.0000, 1.0000,
0.0000

167.6777, 0.4042,

 0.0000, 0.0000,

0.3203

0.0000

206.8922, 0.3979,
0.3212

■ 19.9766, 0.4981,
0.3023

■ 19.9766, 0.4981,
0.3023

■ 17.4427, 0.5405,
0.3035

■ 23.5678, 0.4569,
0.3038

■ 15.8463, 0.5794,
0.3079

■ 28.3124, 0.4199,
0.3071


■ 15.0275, 0.6097,
0.3149


■ 34.2996, 0.3884,
0.3115


■ 14.8929, 0.6154,
0.3164


■ 41.6086, 0.3622,
0.3163

■ 50.3123, 0.3409,
0.3211

 60.4781, 0.3237,
0.3257

 72.1690, 0.3098,
0.3299

 85.4443, 0.2986,
0.3339

 93.4905, 0.2900,
0.3289

Harmonies

Analogous

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



19.9766, 0.3972, 0.2388



19.9766, 0.4981, 0.3023



19.9766, 0.5314, 0.3738

Triad

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



19.9766, 0.4981, 0.3023



19.9766, 0.3092, 0.5369



19.9766, 0.1470, 0.1789

Complementary

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



19.9766, 0.4981, 0.3023



54.6858, 0.2460, 0.3662

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.



19.9766, 0.1330, 0.2229



19.9766, 0.4981, 0.3023



19.9766, 0.2148, 0.4498

Square

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



19.9766, 0.4981, 0.3023



19.9766, 0.4094, 0.5210



19.9766, 0.1535, 0.3169



19.9766, 0.1948, 0.1714

Rectangle

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



19.9766, 0.4981, 0.3023



19.9766, 0.5118, 0.4247



19.9766, 0.1535, 0.3169



19.9766, 0.1387, 0.1889

Sweetspot

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



19.9777, 0.4981, 0.3023



69.2508, 0.3457, 0.3199



20.3450, 0.2901, 0.1641



14.0469, 0.3516, 0.3185



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.



19.9777, 0.4981, 0.3023



24.0665, 0.5568, 0.3049



27.8130, 0.4928, 0.3804



13.0889, 0.3264, 0.3249



9.0271, 0.6124, 0.3147



0.5963, 0.5692, 0.2909

Inverse Universe

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



19.9777, 0.4981, 0.3023



24.0665, 0.5568, 0.3049



35.2306, 0.2176, 0.2598



13.0889, 0.3264, 0.3249



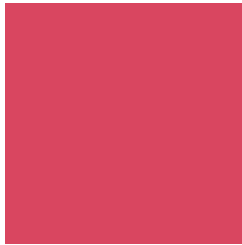
9.0271, 0.6124, 0.3147



0.5963, 0.5692, 0.2909

Previews

White Background



This preview shows how the Yxy color 19.9766, 0.4981, 0.3023 looks on a white background.

Color Contrast Check

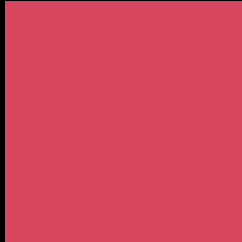
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9766, 0.4981, 0.3023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

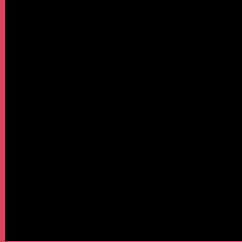
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.9766, 0.4981, 0.3023

Background



This preview shows how black text looks on a background with the Yxy color 19.9766, 0.4981, 0.3023.



This preview shows how white text looks on a background with the Yxy color 19.9766, 0.4981, 0.3023.

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

19.9766, 0.4981, 0.3023

Protanopia

20.0831, 0.3187, 0.3309

Deuteranopia

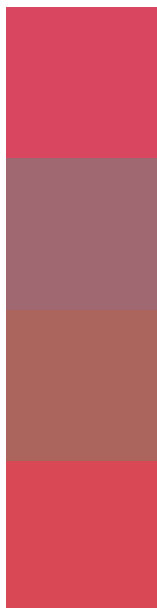
20.1180, 0.3869, 0.3810



Tritanopia

19.9141, 0.5228, 0.3246

Trichromacy



Original Color

19.9766, 0.4981, 0.3023

Protanomaly

18.5665, 0.3800, 0.3146

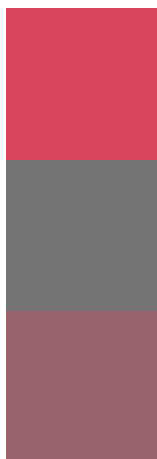
Deuteranomaly

18.8507, 0.4293, 0.3429

Tritanomaly

19.8895, 0.5131, 0.3162

Monochromacy



Original Color

19.9766, 0.4981, 0.3023

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

16.9908, 0.3780, 0.3140

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9766, 0.4981, 0.3023 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(217, 70, 96)` looks like.

```
.text, #text, p{  
    color:rgb(217, 70, 96)  
}
```

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(217, 70, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 70, 96) }
```

Border

The CSS property to change the border of an element to Yxy 19.9766, 0.4981, 0.3023 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(217, 70, 96) }
```

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

```
.border{ border-color:rgb(217, 70, 96) }
```

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

Here you see how a box with a 4 pixel rgb(217, 70, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 70, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 70, 96);  
box-shadow:4px 4px 4px 4px rgb(217, 70,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9766, 0.4981, 0.3023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 70, 96) }
```

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

```
.background{ background-color: rgb(217, 70,  
96) }
```

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