

Converting Colors

$Y_{xy}(19.7633, 0.4405, 0.2604)$

Have a look what the booklet for
Yxy(19.7633, 0.4405, 0.2604)
contains.

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Color

Yxy(19.7454, 0.4398, 0.2599)

Conversions

Conversions Part 1

Format	Color
Hex	D54381
RGB	213, 67, 129
RGB Percent	84%, 26%, 51%
CMY	0.1646, 0.7373, 0.4942
CMYK	0.00, 0.69, 0.39, 0.16
HSL	335°, 63%, 55%
HSV	335°, 69%, 84%
XYZ	33.4130, 19.7454, 22.8147
YIQ	117.7220, 67.1140, 50.2340

Conversions

Conversions Part 2

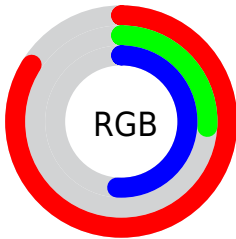
Format	Color
R_{YB}	213, 67, 129
Decimal	13976449
CIE _{Lab}	51.55, 61.73, -2.33
CIE _{LCh}	52, 61.770, 357.840
Yxy	19.7454, 0.4398, 0.2599
Android (android.graphics.Color)	4292166529 (0xFFD54381)
YUV	117.7220, 5.5601, 83.5588
Hunter-Lab	44.4358, 56.4583, 0.6637

Details

The Yxy color **19.7454, 0.4398, 0.2599** 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 **51.0245, 0.2638, 0.4245**, and the grayscale version is **17.9910, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.0527, 0.3931, 0.2698**, and **7.3515, 0.4833, 0.2436** is the 20% darker color. If you saturate the color by 10%, you get **17.3564, 0.4690, 0.2575**, and if you desaturate by 10%, it is **23.1066, 0.4125, 0.2663**.

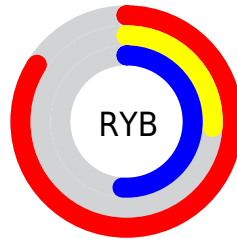
Distribution



Red (84%)

Green (26%)

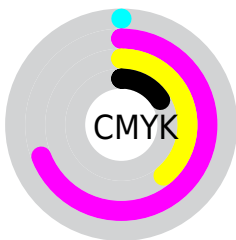
Blue (51%)



Red (84%)

Yellow (26%)

Blue (51%)

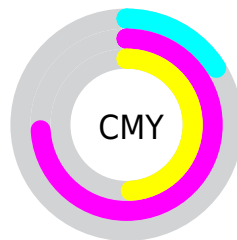


Cyan (0%)

Magenta (69%)

Yellow (39%)

Black (16%)



Cyan (16%)

Magenta (74%)

Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.7454, 0.4398, 0.2599 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 19.7454, 0.4398, 0.2599 by changing the saturation by 10% instead.


 19.7454, 0.4398,
0.2599


 19.7454, 0.4398,
0.2599


250.5335, 0.3682,
0.2984


 12.2101, 0.4607,
0.2488


 42.9899, 0.4117,
0.2749


 6.8869, 0.4894,
0.2337


 59.4679, 0.4017,
0.2803

 3.3915, 0.5313,
0.2120

 79.6956, 0.3936,
0.2846

 1.3394, 0.5965,
0.1788

 104.0574, 0.3869,
0.2883

 0.1714, 0.7910,
0.0688

 132.9377, 0.3811,
0.2914

 0.0000, 1.0000,
0.0000

166.7209, 0.3762,

 0.0000, 0.0000,

0.2941

0.0000

205.7914, 0.3720,
0.2964

■ 19.7454, 0.4398,
0.2599

■ 19.7454, 0.4398,
0.2599

■ 17.3564, 0.4690,
0.2575

■ 23.1066, 0.4125,
0.2663

■ 15.8270, 0.4983,
0.2603

■ 27.5297, 0.3880,
0.2755

■ 14.9920, 0.5260,
0.2681


■ 33.0977, 0.3668,
0.2863

■ 14.8942, 0.5300,
0.2693


■ 39.8844, 0.3489,
0.2977

■ 47.9574, 0.3339,
0.3091

 57.3792, 0.3215,
0.3201

 68.2085, 0.3114,
0.3305

 80.5000, 0.3030,
0.3401

 91.9187, 0.2961,
0.3453

Harmonies

Analogous

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



19.7454, 0.3213, 0.2059



19.7454, 0.4398, 0.2599



19.7454, 0.5210, 0.3273

Triad

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



19.7454, 0.4398, 0.2599



19.7454, 0.3741, 0.5382



19.7454, 0.1333, 0.2010

Complementary

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



19.7454, 0.4398, 0.2599



51.0245, 0.2638, 0.4245

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.



19.7454, 0.1406, 0.2759



19.7454, 0.4398, 0.2599



19.7454, 0.2723, 0.5189

Square

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



19.7454, 0.4398, 0.2599



19.7454, 0.4665, 0.4793



19.7454, 0.1868, 0.4016



19.7454, 0.1592, 0.1716

Rectangle

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



19.7454, 0.4398, 0.2599



19.7454, 0.5327, 0.3759



19.7454, 0.1868, 0.4016



19.7454, 0.1319, 0.2201

Sweetspot

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



19.7465, 0.4398, 0.2599



68.6353, 0.3376, 0.3061



15.2775, 0.2497, 0.1437



13.9555, 0.3417, 0.3029



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.



19.7465, 0.4398, 0.2599



24.9463, 0.4817, 0.2580



19.8232, 0.5323, 0.3394



12.5074, 0.3225, 0.3191



9.1160, 0.5263, 0.2673



0.5662, 0.4823, 0.2430

Inverse Universe

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



19.7465, 0.4398, 0.2599



24.9463, 0.4817, 0.2580



48.8426, 0.2305, 0.3149



12.5074, 0.3225, 0.3191



9.1160, 0.5263, 0.2673



0.5662, 0.4823, 0.2430

Previews

White Background



This preview shows how the Yxy color 19.7454, 0.4398, 0.2599 looks on a white background.

Color Contrast Check

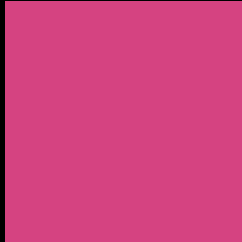
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7454, 0.4398, 0.2599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

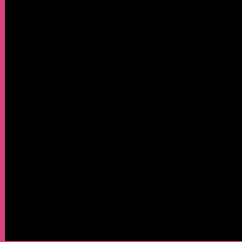
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.7454, 0.4398, 0.2599

Background



This preview shows how black text looks on a background with the Yxy color 19.7454, 0.4398, 0.2599.



This preview shows how white text looks on a background with the Yxy color 19.7454, 0.4398, 0.2599.

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

19.7454, 0.4398, 0.2599

Protanopia

20.0441, 0.2598, 0.2560

Deuteranopia

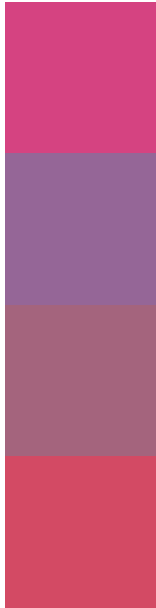
19.8330, 0.3307, 0.3237



Tritanopia

19.7749, 0.5059, 0.3241

Trichromacy



Original Color

19.7454, 0.4398, 0.2599

Protanomaly

18.1267, 0.3138, 0.2502

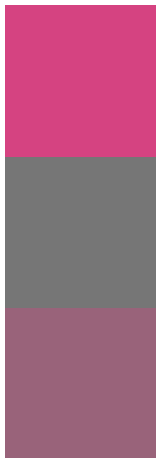
Deuteranomaly

18.4875, 0.3695, 0.2898

Tritanomaly

19.6665, 0.4829, 0.3004

Monochromacy



Original Color

19.7454, 0.4398, 0.2599

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

17.1011, 0.3590, 0.2908

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7454, 0.4398, 0.2599 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, 67, 129)` looks like.

```
.text, #text, p{  
    color:rgb(213, 67, 129)  
}
```

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, 67, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 67, 129) }
```

Border

The CSS property to change the border of an element to Yxy 19.7454, 0.4398, 0.2599 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, 67, 129) }
```

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

```
.border{ border-color:rgb(213, 67, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 67, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 67, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 67, 129);  
box-shadow:4px 4px 4px 4px rgb(213, 67,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7454, 0.4398, 0.2599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 67, 129) }
```

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

```
.background{ background-color: rgb(213, 67,  
129) }
```

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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