

Converting Colors

$Y_{xy}(19.8399, 0.5021, 0.2984)$

Have a look what the booklet for
Yxy(19.8399, 0.5021, 0.2984)
contains.

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Color

Yxy(19.8196, 0.5009, 0.2980)

Conversions

Conversions Part 1

Format	Color
Hex	DB4261
RGB	219, 66, 97
RGB Percent	86%, 26%, 38%
CMY	0.1413, 0.7410, 0.6197
CMYK	0.00, 0.70, 0.56, 0.14
HSL	348°, 68%, 56%
HSV	348°, 70%, 86%
XYZ	33.3142, 19.8196, 13.3749
YIQ	115.2810, 81.2370, 42.0770

Conversions

Conversions Part 2

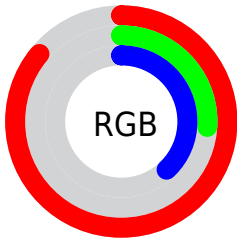
Format	Color
RYB	219, 66, 97
Decimal	14369377
CIELab	51.63, 61.01, 17.19
CIElCh	52, 63.388, 15.733
Yxy	19.8196, 0.5009, 0.2980
Android (android.graphics.Color)	4292559457 (0xFFDB4261)
YUV	115.2810, -9.0125, 90.9616
Hunter-Lab	44.5192, 55.6649, 13.3510

Details

The Yxy color **19.8196, 0.5009, 0.2980** 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 **55.4444, 0.2469, 0.3734**, and the grayscale version is **17.2481, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7819, 0.4347, 0.3058**, and **7.5081, 0.5650, 0.2886** is the 20% darker color. If you saturate the color by 10%, you get **17.4409, 0.5421, 0.2998**, and if you desaturate by 10%, it is **23.2513, 0.4604, 0.2994**.

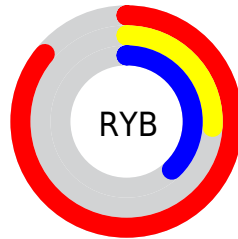
Distribution



Red (86%)

Green (26%)

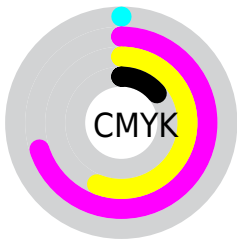
Blue (38%)



Red (86%)

Yellow (26%)

Blue (38%)

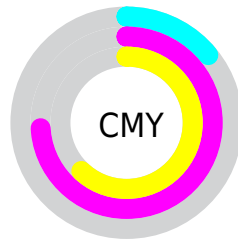


Cyan (0%)

Magenta (70%)

Yellow (56%)

Black (14%)



Cyan (14%)


Magenta (74%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.8196, 0.5009, 0.2980 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 19.8196, 0.5009, 0.2980 by changing the saturation by 10% instead.


 19.8196, 0.5009,
0.2980


 19.8196, 0.5009,
0.2980

250.9368, 0.3936,
0.3200

 12.2640, 0.5320,
0.2896


 43.1145, 0.4587,
0.3079


 6.9237, 0.5742,
0.2768


 59.6226, 0.4438,
0.3111


 3.4144, 0.6336,
0.2558

 79.8837, 0.4316,
0.3134

 1.3517, 0.7411,
0.2255

 104.2820, 0.4214,
0.3153

 0.1807, 0.9154,
0.0846

 133.2021, 0.4129,
0.3168

 0.0000, 1.0000,
0.0000

167.0284, 0.4055,

 0.0000, 0.0000,

0.3181

0.0000

206.1451, 0.3992,
0.3191

■ 19.8196, 0.5009,
0.2980

■ 19.8196, 0.5009,
0.2980

■ 17.4409, 0.5421,
0.2998

■ 23.2513, 0.4604,
0.2994

■ 15.9884, 0.5795,
0.3051

■ 27.8370, 0.4236,
0.3030


■ 15.2507, 0.6088,
0.3129


■ 33.6695, 0.3920,
0.3078


■ 15.2411, 0.6092,
0.3130

■ 40.8312, 0.3657,
0.3132

■ 49.3975, 0.3441,
0.3188

 59.4380, 0.3266,
0.3241

 71.0178, 0.3125,
0.3291

 84.1980, 0.3011,
0.3337

 93.7448, 0.2916,
0.3298

Harmonies

Analogous

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



19.8196, 0.3946, 0.2339



19.8196, 0.5009, 0.2980



19.8196, 0.5378, 0.3703

Triad

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



19.8196, 0.5009, 0.2980



19.8196, 0.3122, 0.5458



19.8196, 0.1418, 0.1760

Complementary

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



19.8196, 0.5009, 0.2980



55.4444, 0.2469, 0.3734

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.



19.8196, 0.1289, 0.2222



19.8196, 0.5009, 0.2980



19.8196, 0.2149, 0.4599

Square

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



19.8196, 0.5009, 0.2980



19.8196, 0.4147, 0.5235



19.8196, 0.1509, 0.3211



19.8196, 0.1888, 0.1673

Rectangle

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



19.8196, 0.5009, 0.2980



19.8196, 0.5188, 0.4222



19.8196, 0.1509, 0.3211



19.8196, 0.1339, 0.1866

Sweetspot

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



19.8207, 0.5009, 0.2980



68.0113, 0.3467, 0.3180



19.4339, 0.2834, 0.1576



13.8088, 0.3524, 0.3165



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.



19.8207, 0.5009, 0.2980



23.4743, 0.5612, 0.3019



26.4677, 0.5060, 0.3751



13.0944, 0.3260, 0.3243



9.0518, 0.6059, 0.3111



0.5989, 0.5606, 0.2862

Inverse Universe

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



19.8207, 0.5009, 0.2980



23.4743, 0.5612, 0.3019



37.1853, 0.2174, 0.2651



13.0944, 0.3260, 0.3243



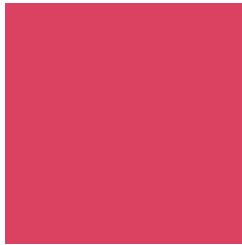
9.0518, 0.6059, 0.3111



0.5989, 0.5606, 0.2862

Previews

White Background



This preview shows how the Yxy color 19.8196, 0.5009, 0.2980 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 19.8196, 0.5009, 0.2980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

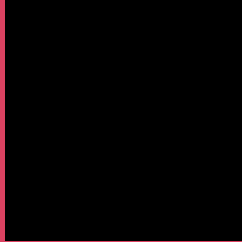
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.8196, 0.5009, 0.2980

Background



This preview shows how black text looks on a background with the Yxy color 19.8196, 0.5009, 0.2980.



This preview shows how white text looks on a background with the Yxy color 19.8196, 0.5009, 0.2980.

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

19.8196, 0.5009, 0.2980

Protanopia

20.0066, 0.3129, 0.3253

Deuteranopia

19.8981, 0.3863, 0.3776



Tritanopia

19.9063, 0.5319, 0.3268

Trichromacy



Original Color

19.8196, 0.5009, 0.2980

Protanomaly

18.1115, 0.3766, 0.3080

Deuteranomaly

18.5982, 0.4306, 0.3383

Tritanomaly

19.7709, 0.5217, 0.3168

Monochromacy



Original Color

19.8196, 0.5009, 0.2980

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

16.4044, 0.3809, 0.3106

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8196, 0.5009, 0.2980 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(219, 66, 97)` looks like.

```
.text, #text, p{  
    color:rgb(219, 66, 97)  
}
```

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(219, 66, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 66, 97) }
```

Border

The CSS property to change the border of an element to Yxy 19.8196, 0.5009, 0.2980 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(219, 66, 97) }
```

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

```
.border{ border-color:rgb(219, 66, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 66, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 66, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 66, 97);  
box-shadow:4px 4px 4px 4px rgb(219, 66,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8196, 0.5009, 0.2980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 66, 97) }
```

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

```
.background{ background-color: rgb(219, 66,  
97) }
```

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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