

Converting Colors

$Yxy(16.0344, 0.5164, 0.2618)$

Have a look what the booklet for
Yxy(16.0344, 0.5164, 0.2618)
contains.

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Color

Yxy(15.9802, 0.5168, 0.2621)

Conversions

Conversions Part 1

Format	Color
Hex	DB0064
RGB	219, 0, 100
RGB Percent	86%, 0%, 39%
CMY	0.1413, 0.9992, 0.6078
CMYK	0.00, 1.00, 0.54, 0.14
HSL	333°, 100%, 43%
HSV	333°, 100%, 86%
XYZ	31.5092, 15.9802, 13.4804
YIQ	76.8810, 98.4240, 77.5280

Conversions

Conversions Part 2

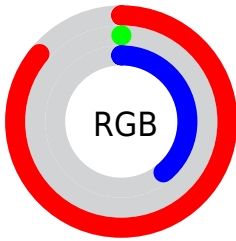
Format	Color
R_{YB}	219, 0, 100
Decimal	14352484
CIE _{Lab}	46.95, 74.72, 8.85
CIE _{LCh}	47, 75.241, 6.756
Yxy	15.9802, 0.5168, 0.2621
Android (android.graphics.Color)	4292542564 (0xFFDB0064)
YUV	76.8810, 11.3977, 124.6384
Hunter-Lab	39.9752, 70.7403, 7.9889

Details

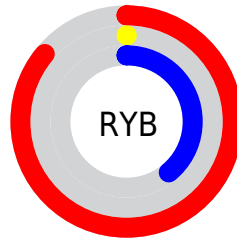
The Yxy color **15.9802, 0.5168, 0.2621** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **51.9896, 0.2687, 0.4873**, and the grayscale version is **7.3836, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.9442, 0.4444, 0.2724**, and **7.4344, 0.5569, 0.2842** is the 20% darker color. If you saturate the color by 10%, you get **15.9750, 0.5170, 0.2622**, and if you desaturate by 10%, it is **16.8020, 0.4907, 0.2544**.

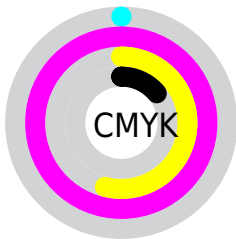
Distribution



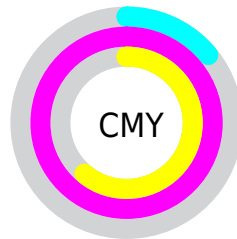
- Red (86%)
- Green (0%)
- Blue (39%)



- Red (86%)
- Yellow (0%)
- Blue (39%)



- Cyan (0%)
- Magenta (100%)
- Yellow (54%)
- Black (14%)




- Cyan (14%)
- Magenta (100%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9802, 0.5168, 0.2621 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 15.9802, 0.5168, 0.2621 by changing the saturation by 10% instead.


 15.9802, 0.5168,
0.2621


 15.9802, 0.5168,
0.2621


229.2249, 0.3981,
0.3035


 9.5101, 0.5523,
0.2485


 36.5638, 0.4694,
0.2794


 5.0754, 0.6012,
0.2288

 51.4462, 0.4528,
0.2852

 2.2916, 0.6712,
0.1987

 69.9014, 0.4394,
0.2899

 0.7692, 0.8011,
0.1548

 92.3140, 0.4283,
0.2936

 0.0000, 1.0000,
0.0000

 119.0682, 0.4190,
0.2967

 0.0000, 0.0000,
0.0000

 150.5485, 0.4110,

0.2994

187.1392, 0.4041,
0.3016

■ 15.9802, 0.5168,
0.2621

■ 15.9802, 0.5168,
0.2621

■ 15.9750, 0.5170,
0.2622

■ 16.8020, 0.4907,
0.2544

■ 18.3079, 0.4633,
0.2515

■ 20.7097, 0.4360,
0.2538

■ 24.1274, 0.4101,
0.2604

■ 28.6622, 0.3868,
0.2701

■ 34.4030, 0.3665,
0.2815

■ 41.4297, 0.3492,
0.2936

■ 49.8153, 0.3346,
0.3059

■ 59.6271, 0.3226,
0.3178

Harmonies

Analogous

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



15.9802, 0.3663, 0.1950



15.9802, 0.5168, 0.2621



15.9802, 0.5875, 0.3386

Triad

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



15.9802, 0.5168, 0.2621



15.9802, 0.3348, 0.6071



15.9802, 0.1041, 0.1551

Complementary

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



15.9802, 0.5168, 0.2621



51.9896, 0.2687, 0.4873

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.



15.9802, 0.0987, 0.2207



15.9802, 0.5168, 0.2621



15.9802, 0.2172, 0.5523

Square

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



15.9802, 0.5168, 0.2621



15.9802, 0.4558, 0.5297



15.9802, 0.1320, 0.3651



15.9802, 0.1436, 0.1372

Rectangle

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



15.9802, 0.5168, 0.2621



15.9802, 0.5735, 0.3946



15.9802, 0.1320, 0.3651



15.9802, 0.0987, 0.1703

Sweetspot

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



15.9812, 0.5168, 0.2621



58.1245, 0.3497, 0.2932



8.8910, 0.2080, 0.0920



11.4950, 0.3568, 0.2880



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.



15.9812, 0.5168, 0.2621



22.5286, 0.5190, 0.2633



15.2198, 0.6380, 0.3315



13.1498, 0.3221, 0.3184



9.4959, 0.5134, 0.2602



0.6324, 0.4740, 0.2385

Inverse Universe

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



15.9812, 0.5168, 0.2621



22.5286, 0.5190, 0.2633



52.0451, 0.2218, 0.3184



13.1498, 0.3221, 0.3184



9.4959, 0.5134, 0.2602



0.6324, 0.4740, 0.2385

Previews

White Background



This preview shows how the Yxy color 15.9802, 0.5168, 0.2621 looks on a white 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

Black Background



This preview shows how the Yxy color 15.9802, 0.5168, 0.2621 looks on a black 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

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

Yxy 15.9802, 0.5168, 0.2621

Background



This preview shows how black text looks on a background with the Yxy color 15.9802, 0.5168, 0.2621.



This preview shows how white text looks on a background with the Yxy color 15.9802, 0.5168, 0.2621.

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

15.9802, 0.5168, 0.2621

Protanopia

16.6359, 0.2678, 0.2662

Deuteranopia

16.5981, 0.3693, 0.3633



Tritanopia

16.2630, 0.5983, 0.3305

Trichromacy



Original Color

15.9802, 0.5168, 0.2621



Protanomaly

12.2024, 0.3446, 0.2327



Deuteranomaly

12.9569, 0.4375, 0.2913



Tritanomaly

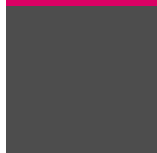
15.8274, 0.5786, 0.3070

Monochromacy



Original Color

15.9802, 0.5168, 0.2621



Achromatopsia

7.4214, 0.3127, 0.3290



Achromatomaly

7.5196, 0.4103, 0.2617

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9802, 0.5168, 0.2621 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, 0, 100)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 100)  
}
```

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, 0, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 100) }
```

Border

The CSS property to change the border of an element to Yxy 15.9802, 0.5168, 0.2621 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, 0, 100) }
```

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

```
.border{ border-color:rgb(219, 0, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 0, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 100);  
box-shadow:4px 4px 4px 4px rgb(219, 0,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9802, 0.5168, 0.2621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 0, 100) }
```

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

```
.background{ background-color: rgb(219, 0,  
100) }
```

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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